Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 153 No. 23 June 7, 1948

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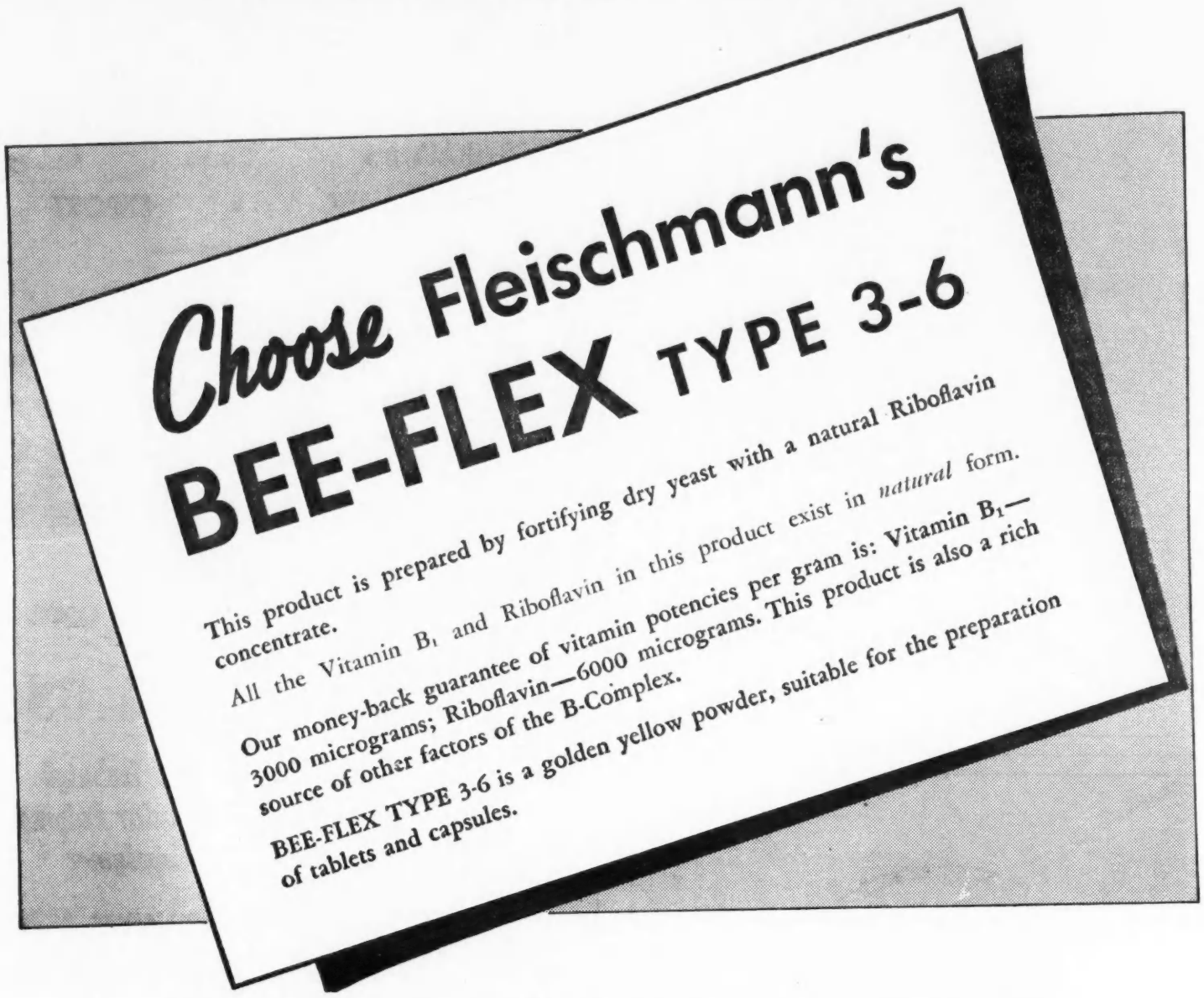
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Decontrol Act Bill Sent to White House

Congress completed action last Friday on legislation to extend the power of the President to control scarce materials under the second decontrol act and sent the measure to Mr. Truman for his signature. The house had approved the conference report on the bill Thursday, and the senate voted its adoption the following day.

The compromise bill extends until June 30, 1949, controls which were in operation until midnight last Monday over tin and tin products and antimony, and the import and export controls over fats and fats and oils and fertilizers and certain other products. Under the house bill these powers would have been continued only until February 28, 1949.

The bill also extends the expiration date of the president's powers to control the use of transportation equipment and facilities until June 30, 1949, which were due to expire February 28, 1949, under a previous law.

A third major provision directs the Army to supply at least 50 percent of the fertilizer materials which go into the fertilizer export program for the non-occupied areas. This fertilizer, amounting to about 30,000 tons, is to be either diverted from the amount now going to the occupied areas or made up from increased production at the Army ordnance plants.

Finally, the bill provides authority to direct the movement of anhydrous ammonia and other nitrogen compounds to require its use in fertilizer production in an effort to increase the overall supply of nitrogen for American agriculture.

Quinidine Stocks Control

Controls sought to be continued by the administration over domestic distribution of government stocks of cinchona bark and quinidine were dropped by the conference committee, in line with the recommendations of the house. The senate bill had provided for continued control over these materials, but the senate conferees yielded to the objections of the house in return for the house agreement to extend all of the other controls until June 30.

Also knocked out of the bill by the conference committee was the provision included by the house for repeal of the price criteria authority of the Office of International Trade, used in the granting of export licenses. This provision went out on strong objections from the senate.

Although controls expired last Monday night, the conference committee bill provides that they shall be considered to have remained in effect during the period until the bill is signed into law. However, it is provided that any person who may have failed to comply with any orders during the period that they were in suspension shall not be deemed a violator.

The bill had somewhat of a stormy session in the senate during its consideration on the floor earlier in the week, when

—*Continued on page 63*

Mining Claims Assessment Suspension Passes Senate

Senate bill 2479, providing for the suspension of annual assessment work on mining claims held by location in the United States was passed unanimously by the senate last Tuesday. The bill was sent to the house, where similar legislation already has been reported for passage.

Under present law, holders of mining claims are required to perform at least $100 worth of labor or improvement on their claims each year. The bill would suspend the performance requirement until July 1 of this year.

Any person desiring to receive the benefits of the suspension must file a notice before twelve o'clock meridian, July 1, in the office where the location claim is recorded of his desire to hold his mining claim.

PMA Gets Marketing Aid

John I. Thompson was appointed assistant administrator for marketing of the Production and Marketing Administration last Thursday. Mr. Thompson, an engineer and business executive with wide experience in directing the development of research related to food and allied industries, took over his new duties immediately.

Drug Act Amendment Now Pending in Senate

Action on the Miller bill (H.R. 4071), amending the Food, Drug and Cosmetic act to regulate retail sales of misbranded or adulterated products, was still pending in the senate today, with proponents determined to present it for vote at a later date.

Passage of the bill was again blocked last Tuesday when Senator E. H. Moore of Oklahoma insisted on an amendment requiring the government to prove wilfull or gross negligence on the part of violators to secure a conviction under the law.

The bill was considered under the unanimous consent rule and was on the verge of passage with the Moore amendment included when objection was raised by Senator Wayne Morse, of Oregon, and later by Senator Hugh Butler, of Nebraska.

The Moore amendment, if it remains in the bill, will mean a fundamental change in the entire theory of food and drug law enforcement and is being strongly opposed by the administration. It is being sponsored by Senator Moore on behalf of a group of small grain millers in the midwest who claim that they should not be held liable because some foreign matter or deleterious substance finds its way into their products through no fault of their own.

Danger of Amendment Stressed

Senator Morse, in objecting originally to the passage of the bill with the Moore amendment but later withdrawing his ob-

—*Continued on page 63*

ECA Total Commitments Now at $208,095,508

New authorizations totaling $39,647,541 for shipment of foodstuffs and commodities under the Economic Cooperation Administration have brought the total commitments to $208,095,508, including ocean freight, according to Paul G. Hoffman, ECA Administrator, Monday.

Included in the new authorizations are a number of industrial raw materials, such as brass, tinplate, black iron sheets, electric sheets and electrolytic copper. Also included in commitments thus far authorized are inedible fats and oils totaling $2,946,000; fertilizer, $1,230,000; oilcake and meal, $1,007,000; dyes and chemicals, $842,200; and petroleum products, $173,797.

FTC Holds Cement Case Decision Doesn't Outlaw Freight Absorption

There is nothing in the decision of the Supreme Court of the United States in the Cement Institute case which makes freight absorption by any manufacturer illegal in itself or requires him to use an f.o.b. price system instead of a delivered price system, according to the opinion of members of the Federal Trade Commission.

They testified before a subcommittee of the senate interstate commerce committee last Wednesday that unless other circumstances entered into the situation, such as conspiracy, restraint of trade, collusion, or other violations covered by the antitrust laws, there is no legal bar to the continuance by industry of the use of the delivered price system of selling its products.

The commissioners, however, refused to be drawn into a speculative statement of what would constitute violative practices beyond the three mentioned, claiming that pricing is such a complex matter that it was impossible to give a clear-cut answer as to whether delivered prices under a given set up of circumstances would be affected by the decision or not. Much depends upon the end result of the use of delivered prices, they said; whether there is discrimination among customers, et cetera.

They appeared before the committee in response to a resolution introduced by Senator Homer Capehart of Indiana calling for an investigation of the effects of the Cement Institute decision and other recent decisions of the supreme court and the circuit courts involving trade practices on the pricing systems of industry generally. The committee plans to pursue the matter further at a later date.

Mason Not Present

The main statement for the commission was made by Commissioner Robert Freer, chairman, who was supported by Commissioners Ewin L. Davis, Garland S. Ferguson, and William A. Ayres. Commissioner Lowell B. Mason, who recently stated in a speech before the Marketing Club of the Graduate School of Business Administration of Harvard University that in his opinion the decision outlaws the multiple basing point price system and freight absorption, failed to show up for the hearing. No reason was given for his absence.

As each of the four commissioners appeared before the committee they were asked the same question by Chairman Capehart:—"Is it legal at this moment for a seller to pay the freight?" Each of the commissioners replied that in his opinion the decision does not outlaw such practices per se, but that it all depends upon the circumstances surrounding the establishment of the delivered price and the effect of delivered prices on competition.

Commissioner Freer pointed out that all of the cases in which the FTC has proceeded thus far have involved price fixing in restraint of trade. He added he did not believe that the FTC would be concerned about a particular situation involving delivered prices unless there was some complaint of discrimination brought to the commission's attention.

Difference in Industries

The testimony also indicated that the commission would be less concerned about delivered prices in the light goods industry than it would be about delivered prices on heavy goods for the reason that the transportation charges would be of such a minor factor in the case of light goods that it would be difficult to prove injury to competition.

Suggestions also advanced during the hearings by Chairman Capehart of the need for some place in the government

—*Continued on page 63*

Carbon Black Plant In Tex. Sold by WAA

Sale of a surplus carbon black plant at Sunray, Tex., to the Continental Carbon Company, Amarillo, Tex., for $1,100,000 was approved last Thursday by War Assets Administration. WAA said that the sale price is 95.6 percent of the appraised fair value of the facility. It originally cost the government $2,177,741.

Because of possible changes in supplies of gas necessary to operate carbon black plants of this type, the purchaser was given the right by WAA to relocate the plant within continental United States without prior approval by the agency. Continental Carbon Company was the wartime operator of the plant and has been occupying it under a lease agreement since December, 1944.

Bergson Truman Nominee As Antitrust Div. Head

Herbert A. Bergson, a member of the legal staff of the Department of Justice since 1934, was nominated as an Assistant Attorney General to head the antitrust division by President Truman last Wednesday. He succeeds John F. Sonnett, who resigned recently. The appointee is a graduate of Harvard Law School and a native of Boston. Since December he has been serving as executive assistant to the Attorney General.

Penicillin Rules Issued

Regulations covering penicillin ointment to be packaged in glass containers when packed solely for udder instillations of cattle and for procaine pencillin for aqueous injection to be packaged in a 3,000,000-unit size were issued last Wednesday by the Food and Drug Administration. The regulations became effective that day upon publication in the Federal Register.

Price Index Up as Oils Rise

A raise of 5.4 points in the vegetable oils market index, modified by a 0.9 point drop in that for botanical drugs, overcame the total inertia of all other market indexes and resulted in a 0.3 point upping of the general average to create a composite index of 147.2 last week.

Edible oils trading was within narrow limits, a fact offset by the scarcity of prompt delivery stocks. Holders of available oils raised prices sufficiently to protect the currently short spot supply position. Corn, cottonseed, peanut, and soybean oils, tallow and grease prices were the motive power behind the rising indexes.

Worldwide rise in tin metal prices made sodium stannate, tin crystals, and tin oxide subject to an early price advance and provided the feature development in heavy chemicals. Although only one producer has notified an advance in sodium silicate, chlorine, caustic soda, and soda ash come July 1, other manufacturers had yet to act, though an upping of their schedules was expected. Heavy buying of copper sulphate shrank already shrunken stocks once again; the shortage was acute in powdered products. Improvement in the distribution of calcium chloride did not ease that material's tight position. Lack of sufficient nickel metal kept nickel sulphate producers from leveling off contract schedules. Agriculturists showed a liking for zinc sulphate in the peach orchards. The paint trade would have liked to have seen more naphthenic acid. Heavy demand did a thorough job in keeping anhydrous ammonia scarce.

Coaltars were featured by high demand for the low supply of basic products. Ten intermediates, seven of which were acids, climbed several rungs of the price ladder. Relief for the impasse of insufficient production was not in sight. In textile chemicals, a quiet time was had by all products. Only prompt needs for sizing materials appeared. Starch production in Maine closed for the season. High production costs steadied corn derivatives. Corn starch was plentiful but corn dextrin was not. Tanners viewed their excellent inventories of tanning materials with a satisfaction that kept them aloof from further buying and made their three to six month supply a comfortable cushion upon which to rest their indifference to offers.

Attention of botanical drug suppliers centered on new crop prospects rather than on the at present low volume of sales. Early season price lists from the origin stood well under the January 1 quotations. Stability of most drug and fine chemicals prices was hardly disturbed by the higher prices set up on aminopyrene, tartar emetic, castor beans and, in one quarter, on acetanilid.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

June 4, 1948	May 28, 1948	June 5, 1947
147.2	**146.9**	**144.6**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the inter-war period.

OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	137.4	133.2	110.3
March	146.2	154.9	137.2	132.7	111.9
April	146.2	152.3	134.9	132.2	115.5
May	146.7	146.1	135.1	132.5	118.2
The year	*147.4	147.6	138.8	133.8	123.2

* Five months.

Senate Gets Bill to Include U.S. in World Health Group

A house-approved bill (H. J. Res. 409) authorizing participation by the United States in the World Organization set under the United Nations was in the senate hopper last week after its passage in the house on May 28.

The main objectives of the organization are three. The first is to eliminate or reduce epidemics by attacking diseases and disease-spreading conditions at their source. The second is to prevent or reduce the spread of these diseases which cannot be entirely eliminated at their source. And the third objective is the larger problem of improving the nutrition, sanitation, and general health level.

OIT, Industry Agree On Chemicals Export Plan

Plans of the Office of International Trade to establish deadline dates for filing applications for licenses to export a selected group of positive list chemicals, beginning with the third quarter, were approved last Thursday at a meeting of OIT officials and chemical industry representatives engaged in export operations.

Approval was given by the group, at the same time, to a continuance of the present OIT practice of limiting the validity period of chemical export licenses to ninety days. The two proposals are part of the streamlining activities now going on in the agency to speed up the issuance of licenses and maintain close supervision over exports of scarce chemicals.

Announcement of the deadline dates is expected to be made later this week in an export bulletin issued by the agency. The products for which cutoff dates are to be provided are: antimony oxide, antimony sulphide, benzol, caustic soda, chromic acid, chromium salts and compounds, creosote or dead oil, ethyleneglycol, glycerin, lead chemicals, naphthalene, nitrogen chemicals, phenol, soda ash, and sodium bichromate and chromate.

The meeting, which was called and presided over by Charles C. Concannon, chief of the chemicals and health products branch of OIT, was attended by twenty-one representatives of the chemical industry. They were addressed by Thomas C. Blaisdell, assistant secretary of commerce; Francis McIntyre, assistant director of OIT; Fred Brooks, assistant director of the commodities division; James H. Vance, consultant on procedure, and by Samuel Klaus, of the compliance branch.

In welcoming the group, Mr. Blaisdell expressed his pleasure that the Economic Cooperation Administration plans to make use of private channels of trade in fulfilling the chemical needs of Europe under the European recovery program. He said that the government has no intention at this time of getting into the market for chemicals and that any purchases by Europe will be made directly from private industry.

Mr. McIntyre spoke of the efforts of the department to correlate its export control program with its trade promotion program and said that the government was doing as good a job as can be expected. He stressed that the quotas established on exports are not fixed arbitrarily by the department but are made up only after much consultation with other agencies of the government on the effect of such quotas on domestic supplies.

The quotas, he said, are flexible and subject to change as conditions warrant and are being revised constantly. The big task of the department, he said, is to chart a course that will keep the domestic consumers from complaining of shortages in the domestic market and the exporters from complaining that the quotas are not large enough. Some quotas, he said, have

—*Continued on page 89*

Congressional Conference Gets Business Census Bills

Two bills concerning the business census in the United States were sent to conference last week following passage in the house of H.R. 6208. A similar senate bill had been passed earlier.

The house bill provides for the taking of a census of manufacturers, business and mineral industries, and of transportation every five years. Under present law the census of manufacturers is taken every two years and that of business and mineral industries every ten years. A census of transportation would be a new project.

During debate on the measure, it was pointed out that a census of business and mineral industries will be of greater advantage to industry when conducted every five years instead of ten years. Also by combining the census of manufacturers with that of business and mineral industries will produce savings to the government in the costs of censuses.

Drug Resources Advisory Group Membership Expands

Frederic N. Schwartz, president of Bristol Laboratories, was appointed to membership on the Drug Resources Advisory Committee last Thursday by Carson P. Frailey, chairman. The committee was reconstituted last week as an advisory body to the surgeons general of the Army and Navy and to the Army-Navy Medical Procurement Board. It was reactivated as part of the preparedness program.

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Dr. J.H. Sachs Retires From du Pont Position

Dr. John H. Sachs has retired from his position as manager of the development division of the organic chemicals department of E. I. du Pont de Nemours & Co., Wilmington, Del. He joined the organization in 1917 and had held the position from which he retired since 1943.

His first position with the company was as a research chemist at its experimental station in Wilmington, and in 1918 he was named a division head at the Jackson laboratory at Deepwater Point, N. J. Two years later he was appointed superintendent of anthraquinone colors production at Deepwater Point, and he became general superintendent of anthraquinone and sulphur colors production at the dye works there in 1929. He returned to Wilmington in 1933 as special assistant to the manager of the dyestuffs division.

Gallowhur Chemical Sells Skol Interest to Williams

Gallowhur Chemical Corporation, in a move to concentrate its activities in the chemical field, has sold its entire Skol business to J. B. Williams Company, Glastonbury, Conn. The transaction involved a cash consideration plus further payments in the event the sale of Skol products over a four-year period exceeded specified amounts.

Goodrich Names Carter To New Executive Post

J. E. Carter, Federal tax counsel for The B. F. Goodrich Company has been named assistant secretary. Mr. Carter joined B. F. Goodrich in 1929 as a staff member of the controller's division, later headed a group of accounting departments and was supervisor of budgets before entering the legal department in 1943.

Koppers and Gulf Plan Joint Research Program

Koppers Company and the Gulf Oil Corporation announced last Thursday the signing of an agreement under which the two companies will engage in cooperative research and development of processes for the conversion of coal to gas and liquid fuel. Work under the cooperative research program is already underway.

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Commerce, Justice Depts. Study Agreements Program

The extent to which the voluntary agreements program under Public Law 395 may be used for allocating scarce materials for national defense and foreign aid programs, including the European recovery program, is being explored by legal officials of the Department of Commerce and the Department of Justice, the Office of Industry Cooperation said last Friday.

John F. Baecher, acting assistant attorney-general, has advised the OIC that the voluntary agreements program to provide assistance for stockpiling scarce and critical materials under the strategic and critical materials stockpiling act is legal within the intent of Public Law 395.

The Department of Justice has also agreed that voluntary agreements can be put into operation for allocating scarce commodities to aid municipalities to meet critical situations affecting health and safety. Approval had already been given to the applicability of Public Law 395 to the development of a voluntary plan for allocation of steel products for Atomic Energy Commission projects.

Kuhn Named Head of Army Medical Science Section

The Department of the Army announced the appointment of Major F. Roland Kuhn chief of the medical allied sciences section of the medical service corps at a recent meeting of civilian scientists in the office of the surgeon general. The meeting was called to ask advice of the civilian scientists on recruitment, training and utilization of scientists to fill positions now open in the medical service corps.

Department officials emphasized the need for officer-specialists in the fields of bacteriology, biochemistry, chemistry, biology, nutrition, serology, toxicology, physics, and other fields, and pointed out that scientists joining the department would work in a climate of free scientific inquiry and would be given ample opportunity for professional growth.

Reardon Buys Stock Of Late President

The controlling stock in the Reardon Company, paint manufacturer, St. Louis, held by the widow and daughter of the former president of the company, the late J. Vincent Reardon, was sold last Wednesday to the present management of the firm.

The stock, amounting to 125,475 shares, was sold to the company for the sum of $942,065.50, which was $1,000 more than the next highest competitive bid.

James A. Reardon is chairman of the board of the Reardon Company; David H. Moran is president; Charles H. Moran is vice-president and treasurer; Leslie A. McLean is vice-president, and Frank E. Williams is secretary.

General Mills Assigns Three in Chemical Div.

General Mills, Inc., Minneapolis, has assigned Walter E. Flumerfelt, vice-president of its chemical division, to handle the purchase of soybeans and the sale of soybean oil. Mr. Flumerfelt has served as manager of operations for several years at the company's Belmond plant.

In addition, Charles Greve has been placed in charge of sales of the fatty acids and chemical derivatives which will be produced at the division's new plant at Kankakee, Ill., and Fred Hafner will have charge of sales of soybean oil meal and industrial protein.

Sodium Silicate Prices Raised by Phila. Quartz

Philadelphia Quartz Company will increase contract prices for its commercial brands of sodium silicate, effective July 1. Contract prices, f.o.b. works in tankcars, will be 80 cents per 100 pounds for "N" brand; 85 cents per 100 pounds for "O" brand, and $40 per net ton for solid silicate in bulk. Spot carload prices for liquid grades are 5 cents per 100 pounds and for solid silicate $2.50 per net ton higher than above prices.

Toiletries Bill in Senate

H. R. 3825, exempting toilet preparations from the 10 percent retailers excise tax when sold at retail to operators of beauty parlors and barber shops was passed by the house last Thursday. The bill now goes to the senate for concurrent action.

Food, Container Firms Form Research Group

The Associates of the Food and Container Institute of the Armed Forces, a new national research organization, has been formed to conduct scientific investigations of food and container problems that would confront the nation in any future war. Dr. B. S. Clark, director of research of the American Can Company, has been elected president of the group.

The new organization, which will establish headquarters in Chicago, was formed to bind together all major companies in the fields of food processing and container manufacture, as well as important educational institutions, trade associations, representatives of the armed forces and observers from civilian agencies of the government. It numbers 166 companies and trade associations on its membership roll.

Other officers chosen by the group are: vice-president, T. M. Rector, vice-president, General Foods Corporation; treasurer, Victor Conquest, director of research, Armour & Co.; secretary, Col. R. A. Isker, United States Army, retired, and vice-chairman of the board of directors, R. C. Newton, vice-president, Swift & Co. Election of a chairman of the board of directors will take place at a later date.

Dr. Clark said that the new group will work closely with the Food and Container Institute of the Armed Forces on fundamental problems of research and development in the food and container field. He stressed that in addition to the national defense activities of the group, scientific fact-finding studies to improve peacetime civilian food and peacetime containers will be given continuous emphasis.

The associates will not carry out research directly, Dr. Clark added, but will serve as a clearing-house for policy decisions concerning research required for the benefit of the food and container industry and the armed forces. Actual research projects will be conducted by the research divisions of the member organizations, by government laboratories, or by universities and technical institutes, he said.

He revealed that creation of the permanent organization followed almost a year's preliminary work on the part of an interim policy committee which has consulted extensively with interested companies, industry associations, and government agencies. The interim committee carried out its work under the direction of Harry J. Williams, vice-president, Wilson & Co., Chicago.

Dr. Clark listed the specialized objectives of the associates as follows: to promote the dissemination of fundamental scientific information pertaining to foods and containers; to function as a clearing-house on food and container fundamental research activities; to evolve and maintain a research mobilization plan; to encourage scientists to engage in food and container research; to determine the fundamental food and container research problems; to minimize unnecessary duplication of scientific research in food and container activities; to keep the members of the associates informed of the institute's activities; and to assist the institute with technical information relating to industrial experience and practice.

Dr. A.R. Merz Retires From Tariff Commission

Dr. Albert R. Merz, government authority on heavy chemicals, has retired from the professional branch of the United States Tariff Commission after thirty-four years of government service. Dr. Merz first entered government service as a chemist in the fertilizer division of the Bureau of Plant Industry, Department of Agriculture.

In 1939 he left the Federal service for a period of three years, during which he taught chemistry at the University of Virginia and was employed by commercial chemical firms. He joined the staff of the Tariff Commission in 1942.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office:—

Asbestos, Fribourg, Switzerland (BW-3).

Fats and oils, edible, Kreuznach, Germany (BW-1).

Industrial chemicals, Caracas, Venezuela (BW-4, agency).

Mica, Fribourg, Switzerland (BW-3).

Milk powder, Kreuznach, Germany (BW-1); Ulm, Germany (BW-2); Caracas, Venezuela (BW-5, agency).

Spices, Kreuznach, Germany (BW-1).

Textile chemicals, Bombay, India (BW-6).

Freeport Vice-President

R. Kirby Shirley has been elected executive vice-president of the Freeport Sulphur Company, New York. Mr. Shirley joined the Freeport organization in 1922, was named its treasurer in 1934, and was elected vice-president in 1940. The company has also elected Pearson E. Neaman director and general counsel.

Mallinckrodt Elects Doht Vice-President

Erwin H. Doht, associated with Mallinckrodt Chemical Works, St. Louis, since 1909, and general purchasing agent since 1945, has been elected a vice-president of the corporation. He will continue as general purchasing agent.

Mr. Doht served as president of the St. Louis Purchasing Agents Association in 1936 and national director the following year. He was district vice-president of the National Association of Purchasing Agents in 1938.

MCA Votes to Amend Constitution And Incorporate; Munson Reelected

A proposal to incorporate the Manufacturing Chemists' Association was unanimously approved by 101 of its 106 members at the annual meeting held last Thursday at Skytop, Pa. The path was made clear for the incorporation vote by prior approval to amendment of Article 2 of the association's constitution to state its purpose "shall be promotion of the chemical manufacturing industry of the United States."

The association reelected as president Charles S. Munson, chairman of the executive committee of U. S. Industrial Chemicals, Inc., New York. Leonard T. Beale, president of the Pennsylvania Salt Company, Philadelphia, and Harold O. C. Ingraham, president of General Chemical Company, New York, were reelected vice-presidents. James W. McLaughlin, president of the Bakelite Corporation, New York, and Warren N. Watson, of Washington, were reelected treasurer and secretary, respectively.

The committee for incorporation under the incorporation laws of New York State was composed of the president, vice-presidents, treasurer, and George W. Merck, president of Merck & Co., Rahway, N. J., who was reelected chairman of the executive committee.

In addition to the officers, all of whom are members of the executive committee, the following were reelected as members:— William B. Bell, president of American Cyanamid & Chemical Corporation; W. B. Brown, president of Victor Chemical Works; W. S. Landes, vice-president of Celanese Corporation of America; Clyde D. Marlatt, vice-president of the Martin Dennis Company; William M. Rand, president of Monsanto Chemical Company; P. T. Sharples, president of Sharples Chemicals, Inc.; John L. Smith, president of Chas. Pfizer & Co., and T. I. Young, president of American Zinc, Lead & Smelting Company. Elected to the committee were Wyley N. Billing, Hercules

—Continued on page 50

Charles S. Munson

Glidden Expansion Plans To Double Margarin Output

Plans to double its output of oleomargarin through a $2,750,000 expansion program have been announced by the Glidden Company, Cleveland. The program includes two new $1,000,000 plants, one in the south and the other in the southwest. The company also announced purchase of a two-story plant in Chicago that will permit a 50 percent expansion of its margarin products in that city.

Customs Bureau Hearing On Export Notice Set

A hearing on drawbacks and the required notice of intent to export will be held in the hearing room of the Commerce and Industry Association, 233 Broadway, New York, at 2 p.m. on Thursday, June 10. Customs Bureau officials of the Treasury Department will meet with interested parties to explore the subject of abolishing the notice of intent to export.

Whitaker Joins ECA

Howard E. Whitaker, of Chillicothe, Ohio, was named acting chief of the pulp and paper branch, industry division, Economic Cooperation Administration last Thursday. Mr. Whitaker is vice-president in charge of operations of the Mead Corporation, pulp and paper manufacturer. During the war he was deputy director of the pulp and paper division of the War Production Board.

Washington Talks It Over

By Ralph L. Cherry

There is a slim chance that Congress may do something about broadening the base of the social security program before adjournment but not in the manner requested by President Truman. The house ways and means committee, after word had gone out from the Congressional leadership to hold down reporting all but "must" legislation, has brought in a bill to add about 3,500,000 persons to the program. The committee's action coming after the notice from the leadership indicates that some kind of a deal is on that makes possible the bill being enacted.

The one thing that may hold it up is a provision inserted by the committee to nullify a ruling of the Bureau of Internal Revenue that broadens the definition of employee to include salesmen, insurance agents and a large group of similar workers within the program. A bill to block enforcement of the ruling previously had been passed by the house but has since lain dormant in the senate finance committee. The house is now trying to block it again by inclusion of the repealer in the general bill.

The added 3,500,000 workers to the program will be made up largely of employees of state and local governments, if such governments approve. Among other groups that would be blanketed in are off-farm employees in processing and handling of fruits and vegetables, certain employees of TVA, and employees in agricultural and horticultural organizations. President Truman's request that seamen, domestics and agricultural workers be included was turned down, together with a requested hike in the 1 percent payroll tax.

Standard Drug Nomenclature

One of the least publicized plans of the World Health Organization, and directly, one of the most important to the American drug industry, is its aim of bringing about a standardization of names of drugs and pharmaceutical products and of dosages. It is one of the several arguments why the United States should become a member of the organization.

The old health organization under the League of Nations did an excellent job in this field. Formerly the Germans had one kind of unit for a particular drug, the British had another, and the Americans still another. Half of the time it was hard to know just what was being given a patient and how much. The old organization solved some of these problems by setting up so-called "international units."

The new organization will pursue this work actively with benefit to all. Thus all scientists or physicians, when they use a word, will be talking about the same thing. That will be of especial value to us commercially, because the United States now has the largest drug houses and pharmaceutical plants in the world.

The greater degree of standardization and of exchange of knowledge and personnel, and the greater the experience in using our products, the greater will be the demand for them.

Brakes on Freightcars

The probabilities are that the Interstate Commerce Commission will grant another extension of time within which owners of tankcars and freightcars will have to comply with its safety regulations requiring all such cars to be equipped with AB power brakes. The specifications for such brakes were first issued by AAR in 1933. They have been extended from time to time and are now due to go into effect January 1, 1949.

The most recent AAR report on the subject shows that approximately 50 percent of the private tankcar fleet is still not equipped with the special type of brake. In the case of freightcars, the record is a little better, because production of freightcars is much greater than tankcars and the life of a freightcar is shorter.

Because of the shortage of equipment, heavy demand for tankcars, and the necessity of keeping serviceable cars in operation, it has not been possible for the owners to comply with the requirements. There isn't any possibility that this situation will change for the better between now and January 1, and unless ICC wants to disrupt the economy of the chemical industry and industry generally by ordering cars off the line, that are not equipped with the brakes, it will have to extend the time period for compliance again.

Consumer Cash Reserves

The Board of Governors of the Federal Reserve System has just announced the completion of its 1948 survey of consumer finances, which shows that some rather striking changes have taken place since the survey last year. There were 2,500,000 more persons with incomes above $5,-

—Continued on page 38

CMRA to Hold Annual Meeting on June 10

The annual meeting and election of officers of the Chemical Market Research Association will be held at the Biltmore hotel, New York, on Wednesday. The business meeting and election will be held at 3 p.m., with Paul J. Carlisle, of E. I. du Pont de Nemours & Co., Wilmington, and president of the association, presiding.

A social hour will be held at 5:30 p.m., followed by dinner at 7 o'clock. Dinner speaker will be Dr. Charles R. Downs, consulting chemical engineer, whose topic will be "The Impact of Tonnage Oxygen on the American Chemical Industry." He will be introduced by Dr. Foster D. Snell, president of Foster D. Snell, Inc., New York.

DCAT Spring Luncheon Postponed to June 30

The spring luncheon meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade will be held at the Astor hotel on June 30, instead of June 24 as previously announced. Principal speaker at the luncheon, which will start at 12:30, will be Dr. Leonard Scheele, Surgeon General of the United States Public Health Service.

SOCMA Meets June 23

The Synthetic Organic Chemical Manufacturers Association has postponed its June 9 luncheon meeting until June 23 at the Commodore hotel, New York. The luncheon will start at 12:30 p.m.

Potassium Metabisulfite Crystals

Chemical users throughout the nation know **Mallinckrodt** sulfites for their uniform dependable purity.

Mallinckrodt Sulfites

Ammonium Sulfite Potassium Sulfite		Permanent wave solutions
Calcium Sulfite		Food bleach and preservative
Potassium Metabisulfite Sodium Metabisulfite		Antiseptics in brewing and wine-making; sterilization of plant equipment, barrels and kegs; photography
Sodium Sulfite		Photography; permanent wave solutions

SULFITES

	FORMULA	TYPICAL ASSAYS*	CALCULATED SO_2 EQUIVALENT	FORM	SOLUBILITY in parts per 100 of water at room temperature
AMMONIUM SULFITE	$(NH_4)_2SO_3 + H_2O$	99% as $(NH_4)_2SO_3 + H_2O$	47%	Small Granules	63
CALCIUM SULFITE	$CaSO_3 + 1\frac{1}{2}H_2O$	98% as $CaSO_3 + 1\frac{1}{2}H_2O$	43%	Crystalline Powder	0.004
POTASSIUM SULFITE	K_2SO_3	98% as K_2SO_3	40%	Coarse Crystalline Powder	104
POTASSIUM METABISULFITE	$K_2S_2O_5$	97% as $K_2S_2O_5$	59%	Granular or Powdered	49
SODIUM SULFITE	Na_2SO_3	99% as Na_2SO_3	50%	Small Granular Fine and Powder	30
SODIUM METABISULFITE	$Na_2S_2O_5$	90% as $Na_2S_2O_5$	61%	Granular or Powdered	67

*These figures are determined at the time of manufacture. Over long storage periods changes may be expected since some of these chemicals have a strong affinity for oxygen.

81 Years of Service to Chemical Users

Mallinckrodt Chemical Works

UNIFORM DEPENDABLE PURITY

Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N. Y.

CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES
MONTREAL • PHILADELPHIA • SAN FRANCISCO

Industrial Application Of Chemicals

"Where You Can Sell"
Fully Protected by Copyright

Aluminum Benzoate

Paint, Varnish, and Lacquer—Dispersion improver (U.S. 2327472) for phthalocyanin pigments.

Calcium-Magnesium Pyrophosphate

Ceramics—Suggested as ingredient of enamels, porcelains.

Chlorinated Carbon Black

(Channel carbon black treated with chlorine. It does not differ appreciably in appearance and physical properties from the parent substance but contains about 4 percent of chlorine.)

Rubber—Claimed (Brit. 523149) to give the same abrasion resistance as the parent substance in a rubber mix; to reduce flexing heat; and to improve resilience.

Citric Acid Triglycolesters

Resins—Starting point (Germ. 712002) in making hard resins, which do not melt, by condensing with citric acid and treating with a small quantity of an aldehyde or a substance yielding aldehyde in the warm.

Colchicine

(Acetyltrimethylcolchinic Acid Methylester, Colchicina, Colchicin)

Horticulture—Modifying agent for plant inheritance (treating seeds or seedlings with colchicine is reported to have caused a doubling of the chromosomes in some cases, thus creating new, and sometimes superior, strains).

Pharmaceutical—In compounding and dispensing practice.

4-Cyclohexene-1:2-dicarboxylic Acid Esters

Adhesives—Plasticizer (U.S. 2301867) in adhesive compositions containing vinyl resins.

Ceramic—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer (U.S. 2301867) for vinyl resins.

Cosmetic—Plasticizer (U.S. 2301867) in nail enamels and lacquers containing vinyl resins.

Electrical—Plasticizer (U.S. 2301867) in insulating compositions, containing vinyl resins, used for covering wire or in making electrical machinery and equipment.

Glass—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Leather—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leather and leather goods.

Metal - Fabricating — Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (U.S. 2301-867) in coating compositions, containing vinyl resins, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2301867) in paints, varnishes, lacquers, enamels, and dopes containing vinyl resins.

Paper—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics—Plasticizer (U.S. 2301867) in making laminated-fiber or molded articles, and plastic materials from or containing vinyl resins.

Rubber—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used as coatings for protecting or decorating rubber goods.

Stone—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used in the manufacture of coated fabrics.

Wood—Plasticizer (U.S. 2301867) in compositions, containing vinyl resins, used as

—*Continued on page 80*

Health Research Bills Progress in Congress

Three bills providing for research in matters of public health were reported for passage to the house last Wednesday by the house interstate and foreign commerce committee. One, a senate bill, has already been passed by the senate.

The bills are S. 2215 for research and training in diseases of the heart, H.R. 6726 for research in dental diseases, and H.R. 6732 for research on poliomyelitis and other similar diseases. The research would be carried on under the direction of the United States Public Health Service.

Volentine Heads Ethical Export Executives Club

The Ethical Export Executives Club elected R. F. Volentine president at its recent annual meeting in New York. Mr. Volentine is assistant foreign sales manager of Schering Corporation, Bloomfield, N. J. The organization, which has as members thirty-five of the largest ethical pharmaceutical manufacturers in the country and editors and executives of the pharmaceutical trade publications, meets monthly to discuss foreign marketing problems.

Other officers and directors elected to serve during the year 1948-1949 were:—first vice president, Robert T. Bogan, Lederle Laboratories, American Cynanamid Company, Pearl River, N. Y.; second vice president, Franz Euler, P.W.R. Export Corporation of Merck & Co., Rahway, N. J.; secretary, George F. Zealand, Pan-American Publishing Company, New York; treasurer, John D. Hersey, McGraw-Hill International, New York; and directors, William B. Wimpenny, Sharp & Dohme, Philadelphia, Pa., J. W. Hart, Winthrop Chemical Company, New York, and Oliver Shaw, The Maltine Company, Morris Plains, N. J.

At the meeting, Francis C. Brown, president of Schering Corporation, spoke informally on his experience in establishing helpful relationships between management and foreign sales executives. He received an appreciative response from his audience for his practical treatment of this problem and the suggestions advanced for fostering and developing these relationships. Francisco Rahola, president of the Puerto Rico Retail Druggists' Association, then presented a forceful plea for those American pharmaceutical firms which have not yet signed the Puerto Rican Fair Trade Minimum Agreements to take early favorable action.

Dow Adds Five Members To Board of Directors

The board of directors of the Dow Chemical Company, Midland, Mich., added five new members on June 1, bringing membership of the board to fourteen. They are as follows:—

Dr. A. P. Bentel, general manager of the company's Texas division and an assistant secretary; C. A. Campbell, general counsel; R. L. Curtis, general manager of the great western division; C. A. Gerstacker, member of the finance committee, and N. D. Griswold, assistant general manager of the Texas division.

Gets Stauffer Sales Post

Dr. P. D. Peterson has been appointed technical director of agricultural sales by the Stauffer Chemical Company, New York. Dr. Peterson, who was formerly associated with the American Fruit Growers, Inc., will engage in research and consultation work with the company's customers. He has also done research work for the agricultural departments of the Koppers Research Corporation and the Freeport Sulphur Company.

Textile Chemists Plan Oct. 21-23 Meeting

The American Association of Textile Chemists and Colorists will hold its twenty-seventh annual meeting at the Sheraton Bon Air hotel, Augusta, Ga., on October 21 to 23. The theme of the meeting will be "Advancing Textiles Through Research", and there will be technical sessions devoted to this theme on each of the three days.

D. C. Newman, of E. I. du Pont de Nemours & Co., has been named general chairman of the meeting, and the following will head the various committees: banquet, Jack Anderson, Peerless Woolen Mills, Rossville, Ga.; dining, J. L. Wyman, Nova Chemical Corporation, Augusta, Ga.; entertainment, R. W. Philip, Callaway Mills Company, LaGrange, Ga.; exhibits, Sherman A. Converse, Graniteville Company, Graniteville, S. C.

Also, finance, Charles A. Spratt, National Aniline Division, Allied Chemical & Dye Corporation; ladies, W. B. Griffin, Kali Manufacturing Company, Atlanta; printing, Junius M. Smith, "Textile Bulletin" and "The Knitter", Charlotte, N. C.; publicity, A. R. Thompson, Ciba Company, Charlotte, N. C.; reservations, T. R. Smith, Wiscassett Mills Company, Albemarle, N. C.; registration and reception, A. K. Haynes, Rohn & Haas Company, Atlanta; technical programs, V. B. Holland, Cannon Mills Company, Kannapolis, N. C. and transportation, L. E. Whittelsey, Augusta Chemical Company, Augusta, Ga.

Isom Gets Medal

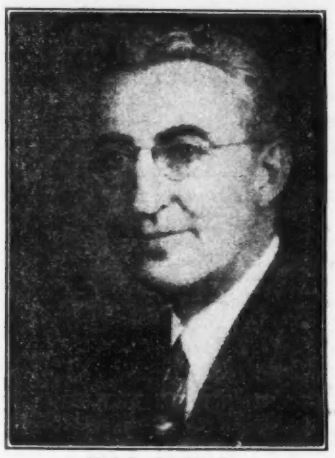
E. W. Isom, director of research and development for the Sinclair Refining Company, has been awarded the medal of merit of the Colorado School of Mines for "outstanding achievement."

Purchasing Agents Headed by Keefer

The possibility and predicted probability of further inflationary price movements, the outlook for future supplies of oil, steel and containers, and the effects of government stockpiling of ferrous and nonferrous metals were high on the agenda of subjects discussed at last week's meeting of the National Association of Purchasing Agents in New York.

Ralph O. Keefer, general purchasing agent of the Aluminum Company of America, was elected president of the association for the 1948-49 year, succeeding Garnet T. Dickson, manager of purchases and customs of the Goodyear Tire & Rubber Company of Canada.

Robert C. Swanton, chairman of the association's business survey committee and director of purchases for the Winchester Repeating Arms Company, painted a favorable picture of the outlook for business during the remainder of this year, in contrast to several other speakers, who warned of inflationary trends.



Ralph O. Keefer
Elected President

Basing his views largely upon the May report of the committee, Mr. Swanton said that "it is apparent that there are more favorable factors at work in the business picture than unfavorable. Production is high, back-order books are building up again, prices have a reasonable chance to adjust at lower levels, inventories are in balance and consistent with production needs, supply is catching up with demand, forward commitments are devoid of speculation and controlled by a very cautious attitude."

The speaker expressed confidence that the critical corner was turned last Febru-

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NAIDM Completes Program For June 14-16 Convention

The National Association of Insecticide and Disinfectant Manufacturers has completed the program for its thirty-fourth annual meeting, to be held at the Monmouth hotel, Spring Lake, N. J., on June 14 to 16. The program is as follows:—

Monday, June 14

The meeting will be opened by Gordon M. Baird, of Baird & McGuire, Inc., president of the association. The reports of the secretary and committee chairmen will be followed by papers on "Trends in Consumer Demand for Household Products in the Sanitary Field," by E. G. Freedman, R. H. Macy & Co., and "Method of Marketing a New Sanitary Chemical or Sanitary Chemicals," by Dr. Edward C. Bursk, Harvard University.

The afternoon will be devoted to meetings of the sanitary specialties mer-

—*Continued on page 46*

Plant Food Council Sets Meeting Program

The American Plant Food Council has completed the program for its third annual meeting, to be held at the Greenbrier hotel, White Sulphur Springs, W. Va., on June 13 to 16. The first day of the meeting will be occupied with registration and a meeting of the board of directors, and the final day will be taken up with a meeting of the new board. Program for the other two days is as follows:—

Monday, June 14

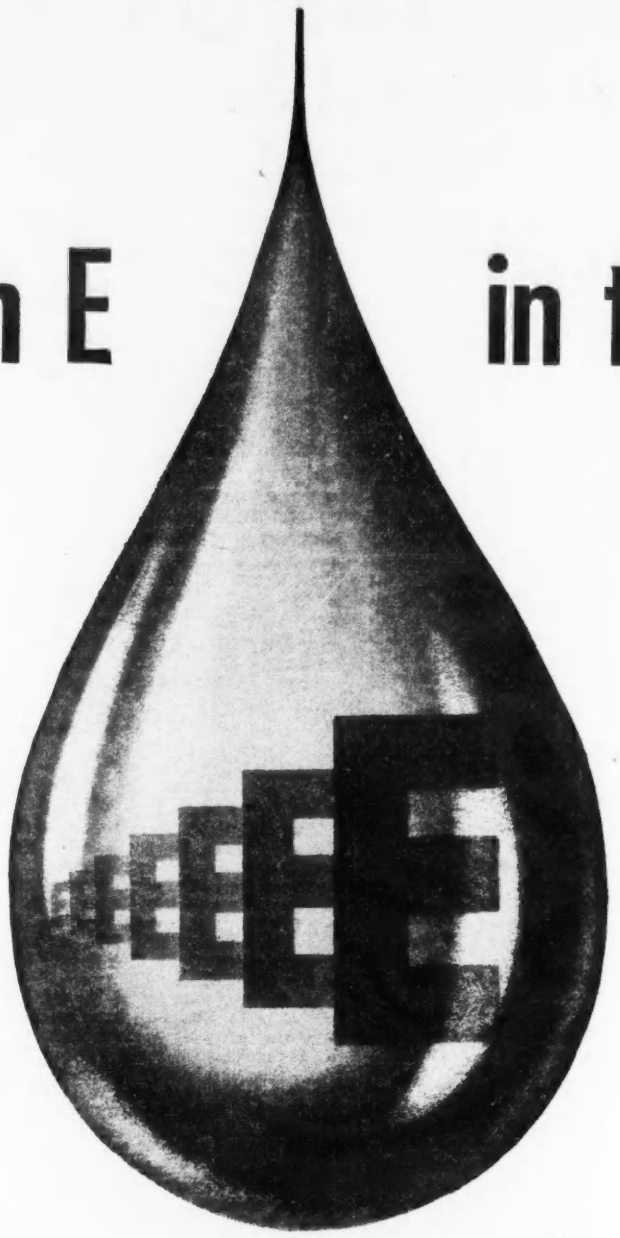
The opening address will be made by Clifton A. Woodrum, president of the

—*Continued on page 46*

Association Meeting Dates

American Association of Textile Chemists and Colorists, Augusta, Ga., October 21-23.
American Dairy Science Association, University of Georgia, Athens, Ga., June 14-16.
American Drug Manufacturers Association, Mount Washington hotel, Bretton Woods, N. H., June 7-10.
American Institute of Chemical Engineers, New York, November 7-10.
American Plant Food Council, Greenbrier hotel, White Sulphur Springs, W. Va., June 13-16.
American Society of Hospital Pharmacists, San Francisco, August 8.
American Society for Testing Materials, Book-Cadillac hotel, Detroit, Mich., June 21-25.
American Soybean Association, Peabody hotel, Memphis, Tenn., September 13-15.
Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 26.
Chemical Institute of Canada, Mount Royal hotel, Montreal, June 7-10.
Chemical Market Research Association, Biltmore hotel, New York, June 10.
Congress of the Technology of Rubber, London, England, June 23-25.
Drug, Chemical and Allied Trades, Section, New York Board of Trade, Shawnee Inn, Shawnee, Pa., September 24.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 6-8.
Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 4-6.
International Congress of Industrial Chemistry, Brussels, Belgium, September.
National Association of Insecticide and Disinfectant Manufacturers, Monmouth hotel, Spring Lake, N. J., June 14-16.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 20-25.
National Fertilizer Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 21-23.
National Paint, Varnish and Lacquer Association, Congress hotel, Chicago, November 8-10.
National Petroleum Association, Traymore hotel, Atlantic City, N. J., September 15-17.
National Plastics Exhibition, Grand Central Palace, New York, September 27-October 2.
National Wholesale Druggists Association, Palmer House, Chicago, October 17-20.
Society of Chemical Industry, Edinburgh, Scotland, July 12-17.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, June 23.
Tanners Council of America, Leather Show, Waldorf-Astoria hotel, New York, September 14-15.

Vitamin E in the most acceptable dosage form



Increasing preference for administration of *high dosages* of Vitamin E presents pharmaceutical manufacturers with the important problem of supplying adequately high potencies in conveniently small dosage forms.

ALPHA-TOCOPHEROL MERCK (VITAMIN E) and ALPHA-TOCOPHEROL ACETATE MERCK provide the answer to this problem. By employing these *pure* products, you are assured of high vitamin content in dosage forms most readily acceptable to physician and patient.

Merck chemists — together with their collaborators — identified and synthesized Alpha-Tocopherol (Vitamin E) in 1938. The acetate ester, virtually identical in biological activity, was developed more recently. By using either of these materials you are making Merck experience and Merck quality component parts of your own vitamin product.

ALPHA-TOCOPHEROL MERCK
(VITAMIN E)

ALPHA-TOCOPHEROL ACETATE MERCK

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York, N. Y. • Philadelphia, Pa. • St. Louis, Mo. • Elkton, Va. • Chicago, Ill. • Los Angeles, Calif.
In Canada: Merck & Co., Ltd. • Montreal • Toronto • Valleyfield

MERCK MERCK

Current Market Quotations

Chemicals and Related Materials

June 4, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, arabic)

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11½- .12
5 and 10 gals., works.....lb. .12 - .16
tanks, works .....lb. .09½- .10½

Acetaldol (see Aldol).

Acetamide, CP, fib. dms......lb. .65 - .75
tech., fib. dms.....lb. .38 - .45

Acetanilide, tech., bbls., c.l......lb. .22 - —
l.c.l. .....lb. .23 - .26
kgs. .....lb. .28 - —
USP, bbls., 2,000-lb. lots.....lb. .40 - .50
smaller lots .....lb. .41 - .56

Acetic anhydride dms., c.l., frt. all. E.
lb. .13½- —
l.c.l., frt. alld. E.....lb. .15 - —
tanks frt. alld. E.....lb. .12 - —

Acetoacetanilide, fib., dms., works..lb. .61 - —
bbls, works.....lb. .67½- —

Acetoacetorthotoluidide, bbls., works.lb. .75 - —
fib. dms., works.....lb. .67 - —

Acetoacetorthochloroanilide, bbls., works
lb. 1.02 - —
fib. dms., works.....lb. 1.15 - —

Acetone, CP, dms., c.l., divd......lb. .09½- .10
l.c.l., divd.....lb. .10½- .11
tanks, divd.....lb. .08 - .08½

Methyl (see M).

Acetonitrile, dms., c.l., works.....lb. .45 - —
l.c.l., works .....lb. .50 - —
smaller containers, works.....lb. .55 - .60

Acetophenetidin, USP, bbls., works, frt. equald...lb. 1.10 - 1.20

Acetophenone cns., dms......lb. 1.50 - 1.85

Acetyl chloride, cbys., works.....lb. .55 - .60

Acetyltributyl citrate, dms......lb. .43 - .51
smaller pkgs. .....lb. .51 - —

Acetyltriethyl citrate, dms......lb. .36 - .44
smaller pkgs. .....lb. .47 - —

Acid, abietic, dms., c.l., works.....lb. .07½- —

Acetic, conc or redist. 28%, bbls....
100 lbs. 3.78 - 4.08
50%, bbls. .....100 lbs. 7.56 - 7.81
70%, bbls.....100 lbs. 9.45 - 9.70
80%, bbls.....100 lbs. 10.80 - 11.05

glacial, synthetic, C.P., dms., works
100 lbs. 13.50 -14.00
USP, dms, works.....100 lbs. 11.50 -12.00
tech., dms., c.l., works..100 lbs. 10.07 -11.00
tanks, works .....100 lbs. 8.00 - 8.62

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .61 - .64
standard, fine, cryst., gran. (30-40 mesh) powd (80 mesh), bbls., same basis..lb. .46 - .59

Freight equalized, shipment identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt adjusted.
lb. 1.50 - 1.75

Anthranilic, resub., bbls......lb. 2.00 - 2.50
tech., bbls. .....lb. 1.05 - 1.35

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs......lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..
kilo 24.50 - —
25-50 kilo lots.....kilo 25.00 - —
10-kilo lots.....kilo 25.25 - —
5-kilo lots.....kilo 25.70 - —
bots., kilo lots.....kilo 26.41 - —
500 grams.....kilo 27.47 - —

Battery, cbys., c.l., E. works.100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up.....lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Benzoxynaphthoic, bbls., works....lb. 1.25 - 1.45

Boric, tech., 99.5%, cryst., paper bgs.
c.l., frt. split.....ton 124.00 - —
ton lots, ex whse.....ton 144.80 - —
less than ton lots, ex whse..
ton 149.70 - —
powd., paper bgs., c.l., frt. split..ton 104.00 - —
ton lots, ex whse, N. Y. or Chi..ton 124.80 -125.00
less ton lots, same basis..ton 129.70 -130.00
bbls., c.l., frt. split.....ton 124.00 - —
ton lots, ex whse, N. Y. or Chi..ton 141.70 -145.00
less car lots, same basis..ton 149.70 -150.00
gran., bulk .....ton 95.50 - —
paper bgs., c.l., frt. split..ton 99.00 - —
ton lots, ex whse., N. Y. or Chi..ton 119.70 -120.00
less ton lots, same basis..ton 124.80 -125.00
bbls., c.l., frt. split.....ton 119.00 - —
ton lots, ex whse., N. Y. or Chi..ton 139.70 -140.00
less ton lots, same basis ton 144.70 -145.00

USP $25 per ton higher.

Brenner's, bbls......lb. 1.34 - —
Butyric, 99%, dms., c.l., works..lb. .34 - —
l.c.l., works .....lb. .35 - —
tankcars, works .....lb. .33 - —
Caprylic, bots......lb. 12.00 -16.50
Camphoric, natural, dms......lb. 8.00 - 8.50
synth., dms.....lb. 6.00 - 6.50
Capric, tech., dms......lb. .50 - .50½
Caprylic, 99%, dms......lb. .50 - .50½
Castor oil, split, dms......lb. .35¾- .36¾
Chlorosulphonic, dms., c.l., works.lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —

Acid, chromic, 99½-99¾%, dms., c.l.lb. .21¾ Nom.
l.c.l. .....lb. .22½- .23½
Cinnamic, refd., bots......lb. 3.00 - 4.00
Citric, anhyd., gran., fine gran., bbls.
lb. .23½- —
dms., c.l. .....lb. .24 - —
10,000 lbs., 1 ship't.....lb. .24½- —
kgs. .....lb. .25½- —
Anhydrous citric acid powder, ½c. per lb higher.
USP, cryst., bbls., c.l......lb. .25 - —
10,000 lbs., 1 ship't.....lb. .25½- —
smaller lots.....lb. .26 - —
kgs. .....lb .26½- —
gran., fine gran., bbls., c.l.....lb. .22 - —
10,000 lbs., 1 ship't.....lb. .22½- —
smaller lots.....lb. .23 - —
kgs. .....lb. .23½- —
USP citric acid powder ½c. per lb. higher
Cleve's, bbls., mixed.....lb. .61 - .65
Coconut oil, dist., dms.....lb. .31½- .32¼
Corn oil, s.d., dms.....lb. .19¾- .20¾
Cottonseed oil, dist., dms.....lb. .19¾- .20¾
Cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (201°-205°), and special blends, dms., c.l., works, frt. equald.
gal. 1.48 - 1.61
l.c.l., same basis.....gal. 1.51 - 1.64
tanks, same basis.....gal. 1.42 - 1.55
Petroleum, 185° C to 205° C, non-ret. dms., c.l., San Francisco and Los Angeles.gal. 1.005 - —
l.c.l., same basis.....gal. 1.025 - 1.045
tanks, same basis.....gal. .925 - —
190° C to 220° C, non-ret. dms., c.l., San Francisco and Los Angeles..gal. .93 - —
l.c.l., same basis.....gal. .95 - .97
tanks, same basis.....gal. .85 - —
210° C to 240° C, non-ret. dms., c.l., San Francisco and Los Angeles..gal. .745 - —
l.c.l., same basis.....gal. .765 - .785
tanks, same basis.....gal. .665 - —
255° C to 271° C, non-ret. dms., c.l., San Francisco and Los Angeles..gal. .62 - —
l.c.l., same basis.....gal. .72 - .74
tanks, same basis.....gal. .62 - —
Crotonic, bbls., Canadian, works.lb. .85 - —
Dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald..lb. .75 - —
l.c.l., same basis.....lb. .83 - .90
Diethylbarbituric (see Barbital)
F, bbls., works.....lb. 1.73 - 1.78
Folic, bots......gram. 2.00 - —
Formic, 85%, cbys., c.l., works....lb. .12 - .13
l.c.l., works .....lb. .12½- 14½
90%, cbys., c.l., works.....lb. .12½- 13½
l.c.l., works .....lb. .13 - 14½
Fumaric, tech., bbls., dms......lb. .27 - .28
Gallic, NF V, bbls., 1,000-lb. lots..lb. 1.40 - —
smaller lots .....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots....lb. 1.23 - —
smaller lots .....lb. 1.26 - 1.28
Gamma, bbls......lb. 1.13 - 1.20
Gluconic, tech., 50%, bots......lb. .29 - .31
dms. .....lb. .14 - —
kgs. .....lb. .16 - —
Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. .50 - —
Hydriodic, 45-47%, cbys......lb. 2.52 - 2.54
57%, cbys. .....lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd, E...lb. .48 - —
tech., 48%, cbys., dlvd. E.....lb. .45 - —
34%, cbys., dlvd. E.....lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works.....lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots.....lb. .30 - .40
Hydrofluoric, anhyd., cyls., works.lb. .19 - 19½
tanks, works .....lb. .16 - —
30%, steel dms., works.....lb. .09 - —
48%, steel dms., works.....lb. .12 - —
52%, steel dms., works.....lb. .12½- —
60%, steel dms., works.....lb. .18½- —
70%, steel dms., works.....lb. .15 - —
Hydrofluosilicic, 30-35%, bbls......lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila..lb. .081 - —
tanks, Belle, W. Va., 100% basis.
lb. .085 - —
Hypophosphorous, USP, djns.....lb. .75 - .77
J, bbls., works, 20% basis.....lb. 2.04 - 2.66
L, bbls., works.....lb. .80 - .95
Lactic, edible, 50%, bbls., 20 or more.
lb. .16 - —
smaller lots .....lb. .16½- .17
80%, bbls., 5 or less.....lb. .24½- 24¾
plastic grade, 50%, bbls., 20 or more.
lb. .17¾- —
10 or less.....lb. .18¾- —
80%, bbls., 5 or less.....lb. 31¾- 32½
tech., 22%, bbls., c.l., works.100 lbs. 4.40 - —
l.c.l., works .....100 lbs. 4.80 - —
cbys., works .....100 lbs. 5.50 - —
44%, bbls., c.l., works.....100 lbs. 8.15 - —
l.c.l., bbls., works.....100 lbs. 8.55 - —
cbys., works .....100 lbs. 9.05 - —
USP XII, 85%, cbys......lb. .54 - .57
USP VIII, 75%, cbys......lb. .52 - .59
Laurent's, bbls......lb. .80 - —
Lauric, dist., 85-90%, dms......lb. .40 - 40½
60%, dms. .....lb. .35 - 35½
Linseed oil, reg. dist., dms......lb. .3260- .3250
water white, dms.....lb. .3500- .3550
Maleic, powd., dms......lb. .26 - .30
Anhydride (see M).
Malic, powd., kgs......lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots.lb. 1.85 - —
smaller lots.....lb. 1.90 - 2.10
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, purified, flake, 99%, dms..lb. .26 - .27
tech., flake, 96-97%, bbls.....lb 21½- 23½
Monosulphonic, bbls......lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - 1.70
l.c.l., E. works.....100 lbs. 1.90 - 2.90
tanks, E. works.....ton 18.00 -18.20
20°, cbys., c.l., E. works....100 lbs. 1.85 - 2.00
tanks, E. works.....ton 20.00 -21.00
22°, cbys., c.l., E. works....100 lbs 2.35 - 2.50
tanks, E works.....ton 22.00 -26.00
CP, USP, consumers, cbys., extra
lb. .08 - —
6-lb bots., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
6-lb bots extra.....lb. .08½- —
Myristic, dist., dms......lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works..lb. .15 - —
tanks, works .....lb. .12 - —
230-240 acidity, dms., works.....lb. .20 - —
tanks, works .....lb. .17 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's).
Naphthol(1)-5-sulphonic (see Acid I.)
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6, disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(2)-6-7-sulphonic,2-amino (see Acid J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Napthylamine(1)-5-sulphonic (see Acid, Laurents).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid Fr.
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winthers, dms......lb. .80 - .84
Nicotinic, USP, dms., works....kilo 7.00 - 7.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys. c.l., E. works...
100 lbs. 5.00 - —
l.c.l., E works.....100 lbs 5.25 - 5.95
38°, cbys., c.l., E works....100 lbs 5.50 - —
l.c.l., E. works .....100 lbs. 5.75 - 6.45
40°, cbys., c.l., E. works....100 lbs. 6.00 - 6.50
l.c.l., E. works.....100 lbs. 6.25 - 6.95
42°, cbys., c.l., E. works....100 lbs 6.50 - 7.00
l.c.l., E works.....100 lbs 6.75 - 7.45
CP, USP, consumers, cbys., extra
lb. .13 - —
7-lb bots., cs., extra.....lb. .15 - —
dealers, cbys., extra.....lb. .11½- —
7-lb. bots., cs., extra.....lb. .13½- —
Oleic (see Oil, red)
Oleum (see Acid, sulphuric, fuming)
Orthocresotinic, dms., c.l., works...lb. .67 - —
l.c.l works .....lb. .69 - —
Oxalic, bbls., c.l., works.....lb. .13½- .14
10,000 lbs., works.....lb. .13½- 14¼
smaller lots, works.....lb. .14½- 15¼
Palm oil, white, dist., dms......lb. .21¾- .21¾
Para-aminobenzoic, purified, dms., works..lb. 4.00 - —
technical, bbls., works.....lb. 1.70 - —
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns......lb 80 - —
Paratoluidinmetasulphonic, bbls., wks.
lb. .92 - .95
Peanut oil, s.d., dms......lb. .19½- .20¾
Perchloric, 60%, cbys, works.....lb. .58 - .62
70-72%, cbys, works.....lb. .61 - .66
Phenylacetic, bots......lb 1.51 - 1.75
Phenylglycollic (see Cinchophen)
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald....
100 lbs. 4.50 - —
l.c.l., same basis.....100 lbs 5.25 - 6.00
cbys., c.l., works, frt. equald..
100 lbs. 5.60 - —
l.c.l., works, frt. alld.100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald..100 lbs. 5.75 - —
cbys., c.l., works, frt. equald.
100 lbs. 6.10 - —
l.c.l., works, frt. alld.....
100 lbs 8.00 - 9.00
tanks, works, frt. equald....
100 lbs. 4.00 - —
NF, 85%, cbys., c.l......lb. .10½- —
l.c.l. .....lb. .11½- .13
dilute, 10%, cbys., djns.....lb. .07 - .07½
Picramic, bgs......lb. .65 - .70
Picric, bbls.....lb. .30 - .31
Propionic, nat., dms., works.....lb. .18 - —
tanks, works.....lb. .17 - —
synth., pure, dms., works.....lb. .22 - —
tanks, works.....lb. .21 - —
Pyrogallic, tech., bbls......lb. No prices
N.F., cryst., dms......lb. 2.80 - 3.03
resub., dms.....lb. 3.30 - 3.45
Pyroligneous, bbls., incl., l.c.l., ex whse...gal. .43 - —
Ricinoleate (see Acid, castor oil, sulf'd).
S, bbls., works.....lb. 2.75 - 2.79
Salicylic, tech., bbls., c.l......lb. .31 - —
smaller lots.....lb. .35 - —
USP, bbls., c.l......lb. .40 - —
smaller lots .....lb. .47 - —
Sebacic, tech., dms., c.l., works.lb. .68 - —
l.c.l., works .....lb. .70 - .72
Soybean oil, s.d., c.l., works.....lb. .19¾- .20¾
Stearic, double pressed, bgs......lb. .28½- .29
single pressed, bgs.....lb. .28 - .28½
triple pressed, bgs.....lb. .30¾- .31¼
Succinic, bbls......lb. .87 - .90
Sulphonilic, CP, bbls., works.....lb. 1.00 - 1.03
tech., dms., works.....lb. .17 - —
Sulphuric, 60° cbys., c.l., E works
100 lbs. 1.25 - —
l.c.l., E works.....100 lbs 1.50 - 1.20
tanks, E. works.....ton 12.25 - —
66°, cbys., c.l., E works....100 lbs 1.50 - —
l.c.l., E works .....100 lbs. 1.75 - 1.45
tanks, E works.....ton 15.00 - —
98%, tanks, E. works.....ton 16.00 - —
CP, N.F., consumers cbys., extra lb. .08 - —
9-lb bots., cs., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
9-lb. bots., cs., extra.....lb. .08½- —
fuming, 20%, tanks, E. works..ton 18.00 - —
Tallow, dist., dms......lb. .20¾- .21¼

Acacia—Alcohol, Ethylhexyl

Acid, tannic, tech., 60-62%, dms.....lb. .68 - .69
70-72%, dms. .....lb. .80 - .85
75-76%, dms. .....lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots....lb. 1.35 - —
smaller lots .....lb. 1.30 - 1.50
Tartaric, USP, bbls., 10,000 lbs., 1 ship't..lb. .41½- —
smaller lots.....lb. .42 - —
dms. .....lb. .44 - .45
kgs .....lb. .42½- —
Thioglycolic, refined, bbls., cbys., basis 100%..lb. 1.95 - 2.00
tech., bbls., cbys., basis 100%..lb. 1.40 - —
Tobias, bbls......lb. .65 - —
Trichloroacetic, bots......lb. 2.00 - 2.50
Toluenesulphonic, dms., works....lb .20 - —
Tungstic, tech., 100-lb. pkgs.....lb. 2.65 - —
Aconite leaves, bls......lb 60 - 65
Root, bls.....lb .90 - .95
Aconitine, amorph., mild, bots.....oz. 32.50 - —
cryst., potent bots.....oz 35.00 - —
Acrylonitrile, dms., c.l., works.....lb. .30½- —
l.c.l., works .....lb. .31 - .42
tanks, works .....lb. .29½- —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls......lb. 60 - 65
Agar.....lb. 3.25 - 3.50
Agaric, white bls......lb. 2.75 - 3.00
Agrimony herb, bls......lb. .40 - .45
Albumen (eggs), edible, flake, bbls....lb. 2.50 - 2.70
powd., bbls. .....lb. 2.64 - 2.75
tech., cryst., bbls.....lb. 1.55 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l.....lb. .70 - .76
Egg (see Albumen).
Alcohol, allyl, dms., c.l., divd......lb. 26½- —
l.c.l., divd.....lb. .27½- —
tanks, divd. .....lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss...lb. .18 - —
l.c.l. frt. alld. E. of Miss. lb. .19 - —
tanks, frt. alld. E. of Miss....lb. .17 - —
(see also Fusel oil, ref.)
Benzyl, cns......lb. .72 - .80
dms. .....lb. .68 - .88
Butyl, normal, ferment., fill., frid. prod., dms., c.l., frt. alld.lb. .33 - —
l.c.l., frt. alld. E.....lb. .34 - —
tanks, frt. alld. E.....lb. .31½- —
tankwagon, frt. alld. E....lb. .32 - —
other production, dms., c.l., frt. alld. E..lb. .33 - —
l.c.l., frt. alld. E.....lb. .34 - —
tanks, frt. alld. E.....lb. .31½- —
synthetic, dms., c.l., frt. alld. E..lb. .19 - —
l.c.l., frt. alld. E.....lb. .20 - —
tanks, frt. alld. E.....lb. .17½- —

Normal synthetic butyl alcohol prices in West .01c. per lb. higher.

secondary, dms., c.l., divd......lb. 12 - 13¼
l.c.l., divd. .....lb. .12½- 14
tanks, divd .....lb. .10½- 12
tertiary, dms., c.l......lb. 13½- —
l.c.l., dms. .....lb. .14 - —
tanks .....lb. .12 - —
Caprol, dms., c.l., works.....lb. .26 - —
l.c.l., works. .....lb. .27 - —
tanks, works .....lb. .24½- —
Cetyl, dom., CP., fiber cns., 1,000 lbs..lb. 2.25 - —
smaller lots .....lb. 2.30 - 2.55
Cinnamic, bots......lb. 2.80 - 3.35
Denatured, CD12, CD13, CD14, dms., divd. E. of Miss. R...gal. .94½- —
l.c.l., divd. E. of Miss. R.gal. .98½- 1.03¼
tanks, divd. E. of Miss. R....gal. .87½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., divd. E. of Miss. R...gal. .95 - —
l.c.l., same basis.....gal. .99 - 1.04
tanks, same basis.....gal. .88 - —
SD2B, dms., c.l., divd. E of Miss. R...gal. .95 - —
l.c.l., same basis.....gal. .99 - 1.04
tanks, same basis.....gal. .88 - —
SD3H, dms., c.l., divd. E. of Miss. R...gal. .93 - —
l.c.l., same basis.....gal. .97 - 1.02
tanks, same basis.....gal. .86 - —
SD29, denatured with acetaldehyde, dms., c.l., divd. E. of Miss. R...gal. .96 - —
l.c.l., same basis.....gal. 1.00 - 1.05
tanks, same basis.....gal. .89 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., divd. E. Miss R...gal. .95½- —
l.c.l., same basis.....gal. .99½- 1.04½
tanks, same basis.....gal. .88½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone free, dms., c.l., divd...lb. .13½- 14¼
l.c.l., divd .....lb. .14 - 15¼
tanks, divd .....lb. .12 - 13
tech., dms., c.l., divd......lb. .14 - —
l.c.l., divd .....lb. .15 - —
tanks, divd.....lb. 12½- —
Ethyl, 190 pf., dms., c.l., divd. E. Miss R...gal. 18.05 - —
l.c.l., same basis.....gal. 18.09 -18.14
tanks, same basis.....gal. 17.98 - —
absolute, dms., c.l., same basis.
gal. 19.02 - —
l.c.l., same basis.....gal. 19.06 -19.11
tanks, same basis.....gal. 18.95 - —
Ethylhexyl, dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .28½- —

Alcohol, Furfuryl—Amyl Alcohol

Alcohol, furfuryl, tech., cns., works..lb. .30 - —
dms., c.l., works.....lb. 21½- —
l.c.l., works .....lb. 23 - —
tanks, works .....lb 18 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl, refd., dms., works..... lb. 13 - —
tanks, works.....lb. 12 - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. 50½- —
l.c.l., dlvd.....gal. 53½- —
tanks, dlvd.....gal. 41 - —
99%, dms., incl., c.l., dlvd...gal. 54½- —
l.c.l., dlvd.....gal. 57½- —
tanks, dlvd..... gal. 45 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots.....lb. 5.50 - —
Phenylethyl, cns. .....lb. 1.50 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis..lb. 60 - .68
Propyl, normal, dms., c.l., works.lb. 12½- —
l.c.l., works.....lb. 13 - —
tanks, works.....lb. 11 - —
Salicyl (see Saligenin)
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N Y.....lb. .40 - —
l.c.l., same basis.....lb. 44 - —
tanks, Niagara Falls, N. Y.....lb. .36 - —
Aldol, 95%, dms., works.....lb. .15 - .16
denaturing grade, dms.....gal. 1.33 - 1.48
Aletris root, bgs.....lb. 1.85 - 1.90
Algin, bbls., fib. dms.....lb. 76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .70 - .75
Allspice, Jamaica (see Pimento).
Mexican, bgs. .....lb. .14½- .15
Allyl bromide, cbys., 5,000 lbs., works. lb. .99 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. .30 - .31
Curacao, kgs.....lb. .35 - .36
Socotrine, kgs.....lb. .35 - .36
Aloin, bbls., dms., kgs.....lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works....lb. .64 - .15
Alphanaphthol, bbls. .....lb. .63 - .70
Alphanaphthylamine, bbls. .....lb. .38 - .38¾
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphanitronaphthalene, bbls. .....lb. .34 - —
Alphapicoline, ref. dms., works, frt. equald..lb. .27½- .30
Alphapinene, tanks, S. works.....gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E.lb. .18 - —
Alphatocopherol, ampuls.....kilo. 750.00 - —
Althea root, NF, peeled, bls.....lb. .35 - .40
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works.....100 lbs. 3.80 - —
lump, bbls., works.....100 lbs. 4.05 - —
powd., bbls., works.....100 lbs. 4.20 - —
Potash, gran., bbls., works...100 lbs. 4.05 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.45 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works..lb. .03½- —
l.c.l., works.....lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10¾- —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. 06½- .06¾
solution, 32°, cbys., c.l., works...lb. .02¾- —
l.c.l., works.....lb. 03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald..lb. .10 - —
l.c.l., frt. alld.....lb. .11 - .13
Formate, basic solution, ces., c.l..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton. 52.00 - 56.00
l.c.l., works .....ton. 72.00 - —
light, bgs., dlvd. .....lb. .17 - —
Hydroxide gel, tech., min. 15% Al (OH_3), dms., 10,000 lbs. or more, f.o.b. ship't point....lb. .03 - 03½
ton lots, same basis.....lb. 03¼- .05½
smaller lots, same basis....lb. .03¾- .04
14-15% Al_2O_3, fib. dms., works. lb. .20¾- —
contract, works.....lb. .19¾- —
9-9½% Al_2O_3, fib. dms., works. lb. .17¾- —
contract, works.....lb. .16¾- —
dried, USP XII, fib. dms., works. lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Aluminum hydrate).
USP IX bbls., dms.....lb. 15 - .17
Aluminum laurate, precip., bbls....lb. .42 - —
Linoleate, solid, bbls.....lb. 48 - —
Metal, 98-99%, angots, 10,000 lbs..lb. 15 - —
pigs 10,000 lbs.....lb. 14 - —
Naphthenate, liquid, dms., dlvd...lb. .24½- —
Oleate, dms., contract.....lb. 43¾- —
Oxide, amorphous (see Alumina, calcined).
cryst., flour, classified, 8-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., ton, frt. alld.....lb. .12½- —
smaller lots, frt. alld...lb. .13 - .15
280-400 mesh, dms., frt. alld.lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
500 mesh, dms., frt. alld....lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld..lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
optical, floated, kgs., dlvd....lb. .80 - .86
unclassified, dms., frt. alld..lb. .16 - .17
kgs., frt. alld.....lb. .15 - —

Aluminum oxide flour prices W. of Denver ½c. per lb. higher.

Paste, lining, extra fine, dms ..lb. .56 - .63
standard, dms .....lb. .38 - .43
Powder, lining, extra fine, dms....lb. .03 - —
fibo, dms.....lb. .47 - .62
standard, dms .....lb. .62 - —
rubber comp., dms.....lb. .47 - —
unpolished, stand., dms.....lb. .43 - .44
varnish, stand., dms.....lb. .47 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100 lb. drs., 1½c. per lb for 50-lb. drs., 3c. per lb for 10-lb. can, and 5c. to 12c. per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs., 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over

Resinate, precip. dms .....lb. 20½- —
Stearate, dibasic, cns., c.l.....lb. .44 - —
l.c.l. .....lb. 45 - —
monobasic cns., c.l.....lb. 44 - —
l.c.l. .....lb. 45 - —
tribasic, cns., c.l.....lb. 49 - —
less than 1 ton.....lb. .50 - .51
Sulphate com'l bgs c.l., works, frt. equald 100 lbs. 1.15 - 1.30
l.c.l., same basis..... 100 lbs 1.40 - 1.50
bbls., c.l., same basis....100 lbs 1.55 - 1.60
l.c.l., same basis.....100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works..100 lbs. 1.95 - 2.25
l.c.l., works.....100 lbs. 2.35 - 2.50
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins..... oz 8.50 -12.00
Aminoazotoluene, bbls. ..... lb 85 - —
Aminomethylpropanol, cns., dms., works. lb 50 - .60
Aminomethylethanolamine, tanks, works. lb 50 - —
Aminopyrine, lots., dms.....lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works, frt. equald..ton. 59.00 -70.00
pure, cyls., extra..... lb 16 - —
refrigeration, tanks, works.....ton. 61.50 -72.50
Aqua, dms., c.l., works.....lb. 03 - 03¼
l.c.l., works.....lb 03½- —
tanks, works (NH_3 content)....ton 65.00 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs 7.40 - —
white, gran., bbls., c.l., works.. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.15 - —
Ammonium acetate, purified, dms...lb. .39 - .40
reagent, jars .....lb 61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .80 - —
smaller lots, frt alld.....lb. .81 - 1.08
Biborate, bbls., c.l., works.....ton 320.00 - —
ton lots, works.....ton. 338.50 - —
less ton lots, works.....ton. 343.50 - —
Bicarbonate, dms., works, c.l.....lb. .064 - .0675
Bichromate, bbls., works.....lb. .26 - .30
Bifluoride, dms., frt. alld. E.....lb. .15½- .16¾
Bromide, gran., NF, bbls.....lb. .36 - .37
dms. .....lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.....lb. 16½- .17
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs.....lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
Iodide, NF, jars..... .....lb. 3.80 - 3.90
Linoleate, plastic, 80%, dms., works.. lb .40½- —
kgs., works.....lb. .42½- —
25%, dms., frt. alld. zone 1....lb. .21¼- —
tech., bbls., works.....lb. .37 - —
dms., works.....lb. .39 - —
Molybdate, CP, cryst., kgs.....lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.13
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point..ton. 79.50 - —
dom., bgs., western works....ton. 59.00 -52.50
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton. 37.50 - —
Oleate, dms. .....lb. .39¼- —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works. ton. 230.00 - —
ton lots, works.....ton. 248.50 - —
less ton lots, works.....ton. 253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs.....lb. .25 - —
Persulphate, kgs.....lb. 25½- .28¼
Phosphate, dibasic, NF V, bbls., kgs. lb. .37 - .39
tech., bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb. .07¾- —
Salicylate, NF, dms., kgs.....lb. 1.25 - —
Silicofluoride, bbls., works.....lb. .12½- —
Stearate, anhydrous, dms.....lb. .31 - —
paste, dms.....lb. 06½- —
Sulphamate bbls., dms., works....lb. .18 - .20
Sulphate, bulk, producing ovens..ton. 38.00 -40.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .10½- —
tanks, dlvd. or frt alld.....lb. .08½- —
Sulphocyanate, pure, dms., jars...lb. .63 - .71
Sulphocyanide, tech., bbls., c.l., works..lb. .13 - —
l.c.l., bbls., works.....lb. .14 - .17
Thiocyanate (see Ammonia sulphocyanide).
Thioglycolate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .30½- —
l.c.l., dlvd. .....lb. .31½- —
tanks, dlvd. .....lb. .29 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Alcohol (see Alcohol, amyl).

HEYDEN
CHLORINATED BENZENES

MONOCHLOROBENZENE

ORTHODICHLORO-BENZENE

PARADICHLORO-BENZENE

TRICHLOROBENZENE

Heyden chlorinated benzenes (benzols) are widely used in organic syntheses and have extensive applications in the manufacture of solvents, insecticides, textile chemicals, medicinals, weed killers, polishes, explosives, soil and sewage disinfectants, protective coatings, and many other industrial and commercial uses.

AVAILABILITY

Heyden Chlorinated Benzenes are shipped in seller's cars from our plant at Memphis, Tennessee: Tank cars, approx. 74,000 lb.; drums, approx. 475 lb.

Cl

MONOCHLOROBENZENE is one of the most extensively used Heyden chlorinated benzenes (benzols). It is important as an organic solvent and as an intermediate in formulation of dyes, herbicides, pharmaceuticals, insect exterminators, etc.

PROPERTIES

A clear, almost colorless liquid practically insoluble in water. Freely miscible with most organic liquids.

Boiling range—Within 1°C. including 132.1°C. at 760 mm.
Freezing Point .....—45°C.
Specific Gravity at 25/25°C. 1.105
Flash Point
Closed Cup ..... 29°C.
Open Cup ..... 90°F.
Copper corrosion ..... negative

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LANOLIN ALCOHOL
NAPHTHALENE
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Amyl Butyrate—Black Indian Hemp Root

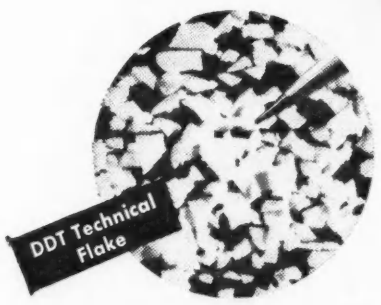
Amyl butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether (see Ether, amyl).
Nitrite, USP, bots.....lb. 1.75 - 1.83
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, cns. .....lb. .77 - 1.00
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works.....lb. .50 - —
NF, dms.....lb. .60 - 1.40
Angelica root, dom. (atropurpurea), bls..lb. 1.10 - 1.15
imported, bls.....lb. 1.50 - 1.60
Angostura bark, bls.....lb. .55 - .60
Anilin oil, dms., c.l., works, frt. alld. .....lb. .15 - —
l.c.l., works, frt. alld.....lb. .16 - —
tanks, works, frt. alld.....lb. .14 - —
Salt, dms., works.....lb. .24 - .26
Anise, Argentine, bgs.....lb. No stocks
Chinese, Star .....lb. .15½- .16
Cyprus, bgs.....lb. .21½- .22
Mexican, bgs. .....lb. No stocks
Syrian, bgs., futures.....lb. .20 - .20½
Anisic aldehyde, bots., cns.....lb. 2.27 - 3.35
dms .....lb. 2.22 - 2.75
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .19 - .20
Anthracene, 80-85%, bbls., works....lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .80 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, bulk, c.l., mines.....lb. .33 - .33½
Needle, cs.....lb. No stocks
Antimony oxide, ceramic grade, bgs., c.l., divd..lb. .29½- —
l.c.l., divd.....lb. .30½- —
paint grade, bgs., c.l., works....lb. .33¾- .34
l.c.l., works.....lb. .34¾- .35
Salt, 65%, bgs., c.l., divd. E. of Miss. .....lb. No stocks
Sulphide, 65-70%, bbls., c.l., works..lb. .22 - —
l.c.l., works.....lb. .24 - —
Antipyrine, bbls.....lb. 2.35 - 2.45
Apomorphine, bots. .....oz. 23.20 - 23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .22 - .23
Arecoline hydrobromide, bots.....oz. 6.10 - 7.10
Antimony-potassium tartrate (see Tartar emetic)
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity).18.00 - —
Arnica flowers, bls.....lb. .95 - 1.00
Arrowroot, powd., bgs., bbls.....lb. .16 - .17
Arsenic, metal, lump, bbls., c.l.....lb. No stocks
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .08 - 09
Asafetida, cs. .....lb. .35 - .36
powd., bbls., dms.....lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines..ton.76.50 - —
5R, bgs., c.l. (20 tons), same basis. .....ton.68.50 - —
6D, bgs., c.l. (30 tons), same basis. .....ton.51.00 - —
Asbestos fiber, 7D, bgs., c.l. (30 tons), same basis..ton.46.50 - —
7F, bgs., c.l. (30 tons), same basis. .....ton.44.00 - —
7K, bgs., c.l. (30 tons), same basis. .....ton.31.00 - —
7M, bgs., c.l. (30 tons), same basis. .....ton.27.50 - —
7R, bgs., c.l. (30 tons), same basis. .....ton.26.50 - —
7RF, bgs., c.l., same basis....ton.27.00 - —
7T, bgs., c.l., same basis.....ton.25.50 - —
7TF, bgs., c.l., same basis.....ton.27.00 - —
Asphaltum, California, dms., c.l..ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Gilsonite, brilliant black, selects 270°-295° F fus. pt., bgs., f.o.b. Colo. mines..ton.36.50 - —
seconds, 300°-390° F fusing point, not uniform, bgs., mines..ton.29.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines..ton.29.00 - —
Manjak, No. 10, crude, dms., works. .....lb. .06½- —
process form, bgs., works.....lb. .05¾- .12
Mexican, refd., dms., f.o.b. Tampico, metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz.10.80 -12.00
Sulphate, bots.....oz. 8.90 - 9.85

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 4.50 - —
Sodium, dms. .....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton.67.50 -75.00
small lots, works.....ton 74.50 -82.00
Chlorate, kgs., works.....lb. .25½- .31
Chloride, NF, cryst., dms.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., bgs., c.l., works.....ton.85.00 - —
l.c.l., works .....ton.95.00 - —
Chromate, bgs., frt. equald.....lb. .31½- .32
Dioxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .12 - —
Fluoride, bbls. .....lb. .14 - —
Hydrate, crystals, bgs.....lb. .09 - .09½
Hydroxide, bbls., works.....lb. .19 - —
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., works.....lb. .11 - .11½
l.c.l., works .....lb. .12½- .13½
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1-ton up.....lb. .48 - .49
smaller lots.....lb. .50 - .51
Sulphate, tech (see Barytes and Blanc fixe)
X-ray, bbls. .....lb. .11 - .13
Sulphide, dms., c.l., works.....ton 55.00 - —
l.c.l., works .....ton 70 00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines..ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis..ton.33.30 - —
l.c.l., same basis.....ton.35.10 - —
ex whse., N. Y.....ton.40 25 - —
Southern off-color, bgs., mines....ton 19 00 - —
95.75% bgs., mines.....ton 20 00 - —
Barberry bark, bgs.....lb .12 - .18
Bay leaves (see Laurel leaves)
Belladonna leaf, bls.....lb 1.40 - 1.50
Root, bls .....lb. .65 - .70
Bauxite, bulk, mines..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works..ton.11 00 - —
Benzaldehyde, NF, dms.....lb. .68 - .90
tech., cbys., dms .....lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works..lb. .35¾- .42½
l.c.l., works .....lb. .379 - .474
dust, dry, 50%, distributors, dms., c.l., divd..lb. .22½- —
l.c.l., divd. .....lb. .23½- —
wet, 50%, distributors, dms., c.l., divd..lb. .23½- —
l.c.l., divd. .....lb. .24½- —
Benzidin base, bbls.....lb .85 - —
Benzocaine, cns. .....lb 3.50 - 3.85
Benzol (benzene), pure, nitration and 99%, dms. ret., works..gal. .27 - .29
tanks, E of Omaha, frt. alld. up to 2c..gal. .21 - —
W Coast, Minnequa, Colo., same basis..gal. .21 - —
Benzophenone, dms. .....lb. 1.50 - 1.70
Benzoyl chloride, cbys. .....lb. .20 - .28
l.c.l., works.....lb. .22½- —
Peroxide, pure, fib. ctns., works...lb. .90 - 1.05
Benzyl acetate, f.f.c., dms.....lb. .60 - 1.00
dms .....lb. .60 - .70
Alcohol (see Alcohol, benzyl)
Benzoate, f.f.c., cns., dms .....lb 1.00 - 1.40
Chloride, tech., cbys., c.l., works, frt. equald..lb. .19 - .21½
l.c.l., same basis.....lb. .20 - .22½
Cinnamate, cns.....lb 3.65 - 4.00
Formate, cns. .....lb. 1.95 - 3.50
Propionate, bots. .....lb 1.85 - 2.30
Salicylate, bots. .....lb. 1.80 - 2.25
Benzylidinacetone, bots.....lb 1.85 - 2.70
Benzylisoeugenol, bots. .....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betagammapicolin, dms., c.l., works..lb. .23½- —
l.c.l., works .....lb. .24 - —
Betanaphthol, resublimed, dms., works. .....lb. .75 - —
tech., bbls., c.l., works.....lb. .50 - —
l.c.l., works .....lb. .52 - —
Benzoate, fib. dms., works.....lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., bbls., works. .....lb. .62 - .70
Betapicolin, 90%, ret. dms., c.l., works. .....lb. 1.35 - —
l.c.l., works .....lb. 1.70 - —
Beth root, bls.....lb. .50 - .55
Biotin, cryst. .....gram.12.50 - —
Bismuth chloride, jars.....lb. 4.50 - —
Citrate, USP VIII, jars.....lb. 3.12 - —
Hydroxide, dms. .....lb. 4.00 - —
Metal, bxs., ton lots.....lb. 2.00 - —
Nitrate, cryst., jars.....lb. 1.70 - —
Oxychloride, cns., dms.....lb. 3.79 - —
Oxide, anhydrous, dms.....lb. 4.20 - —
Subcarbonate, USP, dms.....lb. 2.60 - 2.63
Subgallate, NF, fib. dms.....lb. 2.45 - 2.48
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, dms.....lb. 2.15 - 2.18
Subsalicylate, USP, dms.....lb. 3.05 - —
Sulphocarbolate, fib. dms.....lb. 4.05 - —
Bismuth-ammonium citrate, USP, powd., dms..lb. 3.70 - —
Black, acetylene, bgs., c.l., works..lb. .13½- —
cs., l.c.l., ship. point.....lb. .17 - .18
Bone, bgs., bbls., l.c.l., divd.....lb. .14⅝- .22½
Carload price is ½c. per lb. under the above schedule, with deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works..lb. .07 - —
bgs., c.l., works.....lb. .07 2- —
l.c.l., divd. or whse.....lb. .11¾- .117
uncompressed, regular, bgs., c.l., works..lb. .08 - —
bgs., ctns., l.c.l., divd. or whse..lb. .13¼- —
furnace, fast extruding, bgs., c.l., works..lb. .05½- —
ctns., l.c.l., whse.....lb. .09½- —
high modulus, bgs., c.l., works, lb. .03 - —
ctns., l.c.l., whse.....lb. .09 - —
semi-reinforcing, bgs., c.l., works. .....lb. .03½- —
ctns., l.c.l., whse.....lb. .07½- —
very fine, bgs., c.l., works.....lb. .07 2- —
l.c.l., divd. or whse.....lb. .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .16¾- —
l.c.l., works .....lb. .11 - —
Lamp, bgs., c.l., works.....lb. .07 - .10
Mineral, bgs., works.....lb. .0160- .0675
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root, bark, bls.....lb. .80 - .85
Tree bark, bls.....lb. .35 - .42
Black Indian hemp root, bls.....lb. .55 - .60

✔ TECHNICAL GRADES, Finely Ground and Flake
✔ WETTABLE CONCENTRATES
✔ DUST BASE CONCENTRATES
✔ EMULSIFIABLE CONCENTRATES
✔ SOLVENT CONCENTRATES

For DDT Call GENERAL CHEMICAL



General Chemical Technical Grade DDT is available in either the finely ground or the small, thin flake types that insure easy handling and processing in your milled or oil base products. The flake type offers processing efficiency that is well worth investigating. A test sample will convince you; readily available from the General Chemical Office nearest you.

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FOR AMERICAN INDUSTRY

General Chemical's advanced research, production and quality control facilities, combined with half a century of experience "in insecticides," assures uniform high quality DDT materials at all times. Write or phone the nearest General Chemical Office below for the DDT products you need.

GENERAL CHEMICAL DDT PRODUCTS:

DDT TECHNICAL, Finely Ground
DDT TECHNICAL, Flake
GENITOX* S-50 (50% DDT Wettable, Microfine)
GENITOX D-50 (50% Dust Base, Microfine)
GENITOL* EM-25 (25% Emulsifiable)
GENITOL EM-30 (30% Emulsifiable)
GENITOL SC-30 (30% Solvent Concentrate)
GENITOL SC-40 (40% Solvent Concentrate)

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In Wisconsin: General Chemical Company, Inc., Milwaukee, Wis.
In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

Blanc fixe, dry, by-product.. bgs., c.l., works..ton.75.00 - —
l.c.l., works .....ton.82.50 - —
direct process, bgs., c.l., works... ton.85.00 - —
l.c.l., works .....ton.90.00 - —
N. Y. whse.....ton.108.00 -120.00
bbls., c.l., works.....ton.90.00 - —
l.c.l., works .....ton.95.00 - —
N. Y. whse.....ton.113.00 - —
pulp, 66⅔% bbls., c.l., works..ton.65.00 - —
l.c.l., same basis.....ton.71.00 - —
Bleaching powder, dms., c.l., works.... 100 lbs. 3.75 - —
l.c.l., works .....100 lbs. 4.25 - —
bbls., c.l., works.....100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 4.00 - —
Blood, dried, 16-16½% ammo., bgs..... unit-ton. 6.50 - —
high-grade, unground, 16-17½ ammon, bulk, Chicago..unit-ton. 6.50 - —
soluble, bgs., l.c.l.....lb. .17 - .25
Bloodroot, bls. .....lb. .75 - .80
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.90 - —
Toner, bbls., litho flushed, same basis..lb. 1.10 - —
Celestial, bbls., same basis.....lb. .15 - .16
Chinese, bbls., same basis.....lb. .45 - —
Cobalt, genuine, bbls., same basis.lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper-phthalocyanin, full strength, obls., same basis..lb. 3.75 - 3.85
80%, bbls., same basis.....lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Methyl violet toner, bbls., same basis. lb. 4.20 - —
Milori, bbls., same basis.....lb. .45 - —
Peacock, fugitive, 100% color strength, same basis..lb. .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis..lb. 3.75 - —
Tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis.....lb. .51 - —
Prussian, bbls., same basis.....lb. .45 - —
soluble, bbls., same basis.....lb. .45 - —
Soda, CP, bronze, bbls., same basis. to. .89 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis..lb. .25 - .29
jobbing type, dry, bbls., same basis..lb. .14 - .15
regular types, dry or pulp, bbls., same basis..lb. .19 - .29
Victoria, toner, molybdic, bbls... lb. 3.75 - —
Tungstic, bbls.....lb. 3.75 - —
Ink toner, bbls., same basis....lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
Tungstic, kgs., same basis.....lb. 2.60 - 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c., Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Bluefing, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bohio leaves, bls.....lb. .09 - .11
Bone, raw, bulk, Chicago.....ton.75.00 - —
junk, bulk, same basis.....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.65.00 - —
Chicago, works.....ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works .....ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos, bgs., E. works..ton.60.00 - —
Chicago, works .....ton.60.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls.....lb. .17 - .18
Borage flowers, bls.....lb. .55 - .56
Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. split..ton.74.50 - 76.00
ton lots, ex whse., N. Y. or Chi..ton.94.20 -94.50
less ton lots, same basis..ton.99.20 -99.50
bbls., c.l., works, frt. split..ton.94.50 - —
ton lots, ex whse., N. Y. or Chi..ton.114.20 -114.50
less ton lots, same basis..ton.119.20 -119.50
fine gran., bulk, works.....ton.44.50 -47.50
paper bgs., c.l., works, frt. split. ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.68.20 -68.50
less ton lots, same basis..ton.73.20 -73.50
bbls., c.l., works, frt. split..ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.88.20 -88.50
less ton lots, same basis..ton.93.20 -93.50
powdered, paper bgs., c.l., works, frt. split..ton.53.50 - —
ton lots, ex whse., N. Y. or Chi..ton.73.20 -73.50
less ton lots, same basis..ton.78.20 -78.50
bbls., c.l., works, frt. split..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.93.20 -93.50
less ton lots, same basis..ton.98.20 -98.50

Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld, or nearest whse. point..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis.....lb. .23 - —
single pkgs., same basis.....lb. .28 - —
dms., lead-lined, c.l., dlvd.....lb. .19 - —
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works..lb. .50 - .60
moulding, cans, dms., works..lb. .80 - 1.00
printing ink, cans, dms., works. lb. .95 - 1.10
radiator, cans, dms., works...lb. .60 - .65
Broomtop, bls. .....lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works. lb. .12 - .12½
Oxide, metallic, bgs., works.....lb. .03 - .03¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works..lb. .03¾- .14¾
l.c.l., works .....lb. .04 - .15
raw, paper bgs., c.l., works.....lb. .04 - .12½
l.c.l., works .....lb. .04¼- .13¾
Umber, burnt, American, c.l., bbls., works..lb. .04¾- .05¾
l.c.l., bgs., works.....lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Jiwassee, Va., N. Y..lb. .05¾- .07¾
l.c.l., works .....lb. .06 - .08

Brown, umber, raw, American, bgs., same basis..lb. .03¾- .06
Turkey type, bgs., same basis lb. .06 - .09¾
Vandyke, bbls., works.....lb. .09¾- .12
Brucine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .30 - .40
Bryonia root, bls.....lb. .38 - .39
Buchu leaves, bls.....lb. .85 - 1.00
Buckhorn bark, bls.....lb. .32 - .33
cut and sifted, bbls.....lb. .40 - .42
Berries, bgs. .....lb. .90 - 1.00
Burdock root, bls.....lb. .25 - .30
Butane, indust., tanks, group 3....gal. .007 - —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .31½- —
l.c.l., same basis.....lb. .32½- —
tanks, same basis.....lb. .30 - —
tankwagons, same basis....lb. .30½- —
other production, dms., c.l., same basis..lb. .31½- —
l.c.l., same basis.....lb. .32½- —
tanks, same basis.....lb. .30 - —
synthetic, dms., c.l., same basis. lb. .19 - —
l.c.l., same basis.....lb. .20 - —
tanks, same basis.....lb. .17½- —
Normal butyl acetate, W. of Miss., ½c. per lb. higher.
secondary, dms., c.l., dlvd. E. or Miss..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works.....lb. .20½- —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .19½- —
Ether (see Ether, butyl).
Butyl lactate, dms., c.l., frt. alld. E. of Rockies..lb. .43½- —
l.c.l., same basis.....lb. .46½- —
tanks, same basis.....lb. .44 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works..lb. .60 - —
cns., works .....lb. .63 - .67
P-4 cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices.
Oleate, ref., dms., l.c.l., works....lb. .52 - —
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. No stocks
tanks, dlvd. .....lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies..lb. .49 - —
l.c.l., same basis.....lb. .50 - —
Butyl-isobutyl methacrylate, P-5, 50/50, cns., works..lb. .60 - —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns. .....lb. 4.89 - 4.90
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd..lb. 1.75 - 1.80
patent shapes, cs., dlvd.....lb. 1.75 - 1.80
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more. lb 4.75 - 5.00
anhydrous, dms., 100 lbs. or more. lb 5.00 - —
Citrated, dms., 100 lbs. or more... lb 3.00 - —
Hydrobromide, bots. .....lb. 6.50 - —

Blanc Fixe—Calcium Gluconate

Calabar beans, bgs., futures.....lb. .65 - .66
Calamus root, dom., bgs.....lb. .35 - .45
imported, bleached, bls.....lb. .70 - .83
peeled, bls.....lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works, gram. 4.00 - —
1,000 to 10,000 s.u., works, gram 4.40 - —
less than 1,000 s.u., works, gram. 4.80 - —
in edible oil, dms., 10,000 or more... 10 - —
1,000 to 10,000 s.u., works....unit. .11 - —
less than 1,000 s.u., works..unit. .12 - —
Calcium acetate, bgs., dlvd....100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .09½- .10¼
l.c.l., same basis.....lb. .10½- .12¼
Bromide, NF, jars.....lb. .75 - .85
Carbide, dms., c.l., works.....ton.107.00 -140.00
Carbonate (see Chalk and Whiting).
Calcium chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald..ton.22.60 - —
l.c.l., same basis.....ton.32.00 -61.00
liquor, works, basis 40%, tankcars. ton 9.00 - —
solid, 73-75%, dms., c.l., works, same basis..ton.26.00 - —
l.c.l., works, same basis..ton.30.00 -59.00
Chromate, bgs., frt. equald.....lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies.lb .30 - .50
Gluconate, AA, bbls.....lb. .65 - .72
cns .....lb. .83 - .90
USP, bbls. .....lb. .58 - .65
cns .....lb. .76 - .83

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SODIUM SULPHIDE Flake & Solid
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BLEACHING POWDER 70%
CAUSTIC SODA Solid
RESORCIN USP Recrystallized
FORMIC ACID 85%
ANILIN OIL
GLUCOSE 45° Bé
MAGNESIUM OXIDE Heavy
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Calcium Hydride—Chlorine, Liquid

Calcium hydride, dms., works.....lb. .80 - —
Glycerophosphate, NF, fib. dms. . lb 1.65 - 1.80
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.21.00 -28.50
cans, cased (45 lbs.) same basis...cs 19.75 -21.50
Iodide, jars .....lb 4.12 - —
Lactate, USP, dms.....lb. .34 - .41
Laurate, bbls. .....lb. .43 - .44
Mandelate, USP, dms., works.....lb. 1.85 - 2.10
Naphthenate, liquid, 4% Cd, dms., dlvd...lb. 23½- —
5% Cd, dms., dlvd.....lb. 28¾- —
Pantothenate, dex., jars.....gram .07½- —
Phosphate, feeding grade, bgs., works..ton.75.50 -110.00
food grade, bbls., 10 or over, works. lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bbls .....lb .13 - .18
monobasic, cryst., bgs., c.l., works, frt. equald. lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
tribasic, bgs., c.l., works ...100 lbs 6.00 - —
bgs., l.c.l., works.....100 lbs 6.95 - 7.30
Phytate, bgs., works.....lb. .22 - —
Resinate, precip., 5 8% Ca. dms lb .20 - —
Silicate, hydrated, bgs., c.l., works .05½- —
l.c.l., works .....lb. .06 - —
Stearate, precip., ctns., c.l., works. lb .45 - —
l.c.l., works.....lb. .46 - .47
Sulphate (see Gypsum)
Sulphide 76%, bgs., c.l., works..ton 45.00 - —
70%, bgs., c.l., works.....ton 30.00 - —
luminous tins works.....lb 1.25 - —
Sulphocarbolate, bbls., dms.... .lb .59 - .60

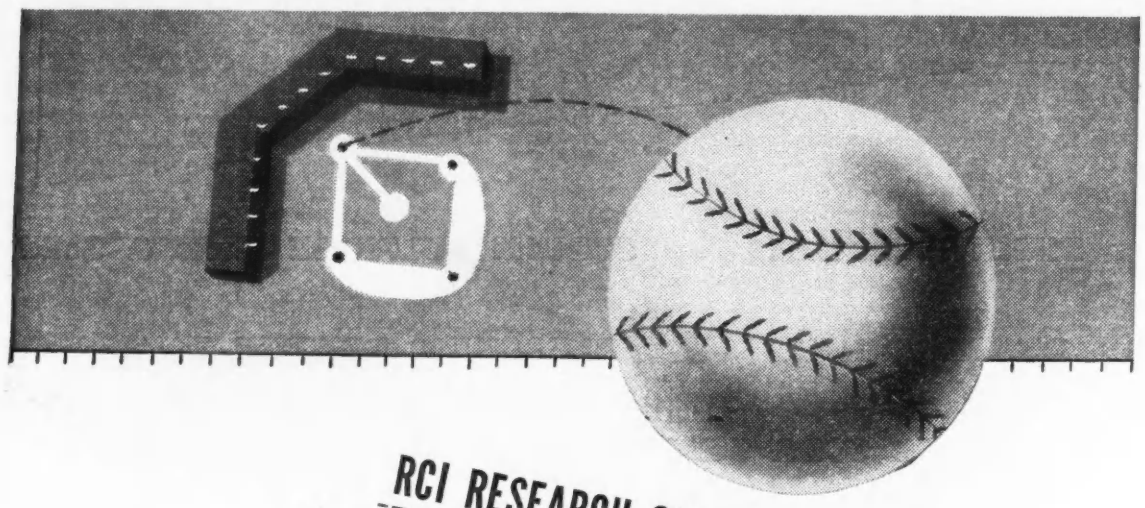
Calcium-strontium sulphide, phosphorescent, dms., works.....lb 1.06 - 1.50
fine particle size, works.....lb 1.50 - 1.75
Calendula flowers, bls.....lb. .80 - .83
Calomel, USP, cryst., dms.....lb. 1.82 - 1.83
fine powd., dms.....lb. 1.97 - 1.98
Camphor, monobromated, dms. kgs..lb. 3.10 - 3.20
Camphor, natura: .....lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.).....lb. 44½- —
smaller lots .....lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb lots..lb. .66 - —
1,000-lb. lots .....lb. .67 - —
smaller lots .....lb .68 - —
tablets, tins, 2,000-lb. lots....lb. .83 - —
1,000-lb. lots .....lb .84 - —
smaller lots .....lb .85 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs.....lb. 1.25 - 1.30
powd., bxs. .....lb 1.50 - 1.55
Russian, bgs. .....lb 6.25 - 650
powd., bxs. .....lb. 6.50 - 6.75
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns.....lb 6.50 - 6.75
Caramel coloring, bbls.....gal 1.25 - .
Caraway seed, Danish, bgs.....lb. .17 Nom.
Dutch, bgs.....lb. .17½- .18
Carbazole, 97½, dms., ton lots, works. lb. 1.55 - —
Carbinol butyl, normal, dms., l.c.l., works..lb .42 - —
secondary, dms., l.c.l., works...lb. .70 - —
Isobutyl, dms., c.l., works.....lb. .51 - —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —

Carbinol methylisobutyl, dms., c.l., frt. alld. E..lb. .14½- .15½
l.c.l., same basis.....lb. .15 - .16½
tanks, same basis.....lb. .13 - .14
Bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points. lb. .05¾- —
l.c.l., same basis.....lb. .06¾- —
8-gal. dms., c.l., same basis.....lb. .07¾- —
l.c.l., same basis.....lb. .08¾- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, CP, dms., c.l.....lb. .11 - —
l.c.l. .....lb. .11½- —
tech., dms., zone 1, c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb .07½- —
zone 2, c.l., frt alld.....lb. .07½- —
l.c.l., frt. alld.....lb. .08½- —
zone 3, c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .09½- —
zone 4, c.l., frt. alld.....lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
USP, clys.....lb. .17 - .19

Carbon tetrachloride sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings. Zone 4 prices are f.o.b. cars, L. A., Calif., S. F., Calif.; Portland, Ore., and Seattle, Wash.

Cardamom fruit, bleached, bold, cs..lb. 1.95 - 1.98
medium, cs. .....lb. 1.78 - 1.80
decorticated, Guatemalan, cs....lb. 1.25 Nom.
Indian, cs. .....lb. 1.25 Nom.
green, Alleppey, bgs.....lb. 1.30 - 1.33
Seed (See Cardamom fruit, decorticated).

Carmine, No. 40, NF, bulk, 100 lbs. or more..lb. 5.50 - —
smaller lots.....lb. 5.65 - 6.15
Carotene, cryst., research grade, tins, works..gram. 5.00 - —
in vegetable oil (alpha, 10%; beta, 90%), amps., 100 grams, dlvd. gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
tech., tins, works.....lb. .67½- —
diluted, dry powd., 3,330 A units per gm., bots., works..lb. .70 - —
vegetable oil, 250,000 A units per gm., bots., works..lb.37.80 - —
50,000 A units, per gram., bots., works..lb. 7.87 - —
3,330 A units per gram, bots., works..lb. 85 - —
Carvol, bots.....lb.13 00 -16.00
Cascara sagrada bark, bulk.....lb. .38 - .40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd..lb. 09¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .31 - .33
rennet-precip., 40,000 lbs. or more same basis..lb. .34 Nom.
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .27¾- .29¾
rennet precip., unground, 100 bgs. or more lb .36 Nom.
smaller lots.....lb. .37 Nom.
Cassia bark, Batavia, No. 1, short-stick, bls..lb. .60 Nom.
broken, bls.....lb. .18 - .18½
thinquill, bls.....lb. .60 Nom
China, rolls, select, cs.....lb. .09¾- .10¼
broken, bls.....lb. .07 - .07½
Kwangsi, broken, bls.....lb. .12 - .12½
Saigon, broken, bls.....lb. .32½- .33
medium, bls. .....lb. .39 - .40
thin, bls.....lb. .44 Nom.
Yunnan, bls. .....lb. .14½- .15
Buds, China, bgs... .....lb. .22 - .22½
Cassia fistula, bskts.....lb. .24 - .25
Castor beans, bgs., Brazilian ports.. long ton.135.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works.....ton.27.50 - —
Castoreum, nat., cns.....lb.39 00 - —
synthetic, cns.....lb.22.00 - —
Catechol, CP, cryst., fib. dms., works lb 2.00 - —
resublimed, dms., works.....lb 2.25 - —
Catnep, bls.....lb. .68 - .70
Celery seed, French, bgs., futures..lb. .26 - .27
Indian, bgs. .....lb. .21 - .21¼
futures, bgs.....lb. .20 - .20½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb .36 - —
granules, ctns., same basis....lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l. frt. alld..lb .47 - —
l.c.l., same basis.....lb. .49 - .51
regular black, dms., c.l., same basis..lb. .35 - .39
variegations, dms., l.c.l., same basis..lb .54 - .59
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. and over, works. lb. .52 - —
less than 500 lbs., works .lb .53 - —
17.5% butyryl content, ctns., 500 lbs and over, works. lb. .49 - —
less than 500 lbs., works. lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works..lb. .54 - —
gran., 37% butyryl content, ctns., 500 lbs. and over, works. lb. .51 - .57
less than 500 lbs., works. lb. .52 - .58
48% butyryl content, ctns., 500 lbs. and over, works. lb. .57 - —
less than 500 lbs., works..lb. .58 - —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld..lb. .56 - .61
regular black, dms., l.c.l., same basis..lb. .47 - .51
variegations, dms., l.c.l., same basis..lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works.....lb. 1.25 - —
Oxalate, NF, bbls., kgs., works..lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100 lb. lots, works.....lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works..lb. 02¾- 05½
l.c.l., ex whse.....lb. 04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, bgs., c.l., works.ton.32.50 -40 00
rubber makers, bgs., c.l., works.. ton.30.00 - —
Chamomile, Hungarian, cs.....lb. .51 - .55
Roman, bls. .....lb. 1.50 - 1.75
Charcoal, hardwood, briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54 50 -55 50
granular, bgs., incl., c.l., works, ton 50.50 - —
lump, bulk, c.l., works.....ton.39.50 -43.50
bgs., extra, returnable, c.l., works..ton.42.50 -45.50
screenings bgs., works.....ton.33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.10.00 - —
l.c.l., works .....ton.50.00 -60.00
lump, bgs., c.l., works, South..ton.35.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works..lb. .0465- —
l.c.l., works .....lb. .0495- —
tanks .....lb. 0390- —
powd., 65% tannin, bgs., extra, c.l., works..lb. .1105- —
l.c.l., works .....lb. .1170- .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works..ton.12.50 -13.00
l.c.l., works .....ton 13.50 -14.00
bulk, c.l., works.....ton. 9.50 -10.00
99% 200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works.....ton.11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works..ton.13.00 - —
paper bgs., c.l., works..ton.15.00 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..net ton 16.00 -35.00
powd., bgs., c.l., ex dock.....ton.45.00 - —
l.c.l., ex whse.....ton.50.00 -55.00
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars .....lb. .90 - .95
Chlordane, agricultural, dms., c.l., frt. alld..lb. 1.50 - —
l.c.l., frt. alld.....lb. 1.55 - 1.70
refined, dms., c.l., frt. alld.....lb. 1.65 - —
l.c.l., frt. alld.....lb. 1.70 - 1.85
technical, cns., c.l., works.....lb. 1.55 - —
l.c.l., works.....lb 1.60 - 1.80
Chlorinated rubber, standard, ctns., c.l., works..lb. .40 - —
l.c.l., works .....lb. .43 - —
Chlorine, liquid, cyls., c.l., works..lb. .07 - .12
l.c.l., stock points.....lb. .09 - 15½
tanks, single units, works, frt. equald..100 lbs. 2.25 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.55 - —
2 cars, same basis....100 lbs. 3.15 - —
1 car, same basis.....100 lbs. 3.75 - —



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SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloro-orthotoluidine (Red KB base). bbls..lb. 1.38 - —
Chloropicrin, com'l, bots., ex whse..lb. 1.25 - —
cyls., 150-lbs., works, frt. alld..lb. .60 - —
100-lbs., same basis.....lb. .82 - —
25-lbs., ex whse.....lb. 1.00 - —
Cholesterol, USP, fib, dms., 100-lb. lots. lb. 12.00 -14.38
jars, dms., smaller lots.....lb. 14.75 -15.55
Choline chloride, fib dms., works..lb. 3.00 - 3.10
feed grade, fib, dms., works....lb. 2.20 - —
Dihydrogen citrate, fib dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .09¼- —
8½%, bbls., cs.....lb. .09¾- —
Cake, bulk, c.l. works.....ton. 16.00 - —
Fluoride, bbls., works.....lb .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls.....lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 7.11 - —
Cinchona bark, Usp. red, quill, 30-in., cs lb 1.26 Nom.
yellow, broken, bgs.....lb. .35 - .40
Cinchonidine, small cryst., cns. 100 ozs. oz. .96 - —
Cinchonine, large cryst., cns. 100 ozs. oz. .69 - —
small cryst., cns., 100 ozs.....oz. .65 - —
Sulphate, NF, cns., 100 ozs.....oz. .42 - —
Cinchophen, NF, heavy, dms., works. lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms.....lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls.....lb. .35 - .35½
due soon.....lb. .35 - .35½
Citral, bots., cns.....lb. 3.75 - 5.00
Citronellal, bots., dms.....lb. 2.75 - —
Citronellol, bots., dms.....lb. 3.85 - 4.75
Clover tops, red, dom., bgs.....lb. .58 - .60
imported, bgs.....lb. No stocks
Cloves, Madagascar, bls.....lb. .08¾- .09
futures, bls.....lb. .08¾- .09
Zanzibar, bls.....lb. .15 - 15½
Coal tar coal-gas, water-gas crude, resale, dms., c.l., works..dm. 10.60 - —
l.c.l., works.....dm. 11.10 - —
tanks, works.....gal. .14 - —
refd., bbls., c.l., works.....bbl. 11.10 - —
l.c.l., works.....bbl. 11.60 - —
tanks, works.....gal. .15 - —
Cobalt acetate, bbls., kgs., dlvd..lb. 83¾- —
Carbonate, powd., bgs., works....lb. 1.58 - —
feed grade, 49½% Co, kgs.....lb. 1.58 - —
Chloride, kgs., works.....lb. 87½- —
feed grade, 24.3% Co, kgs.....lb. 1.25 - —
Hydrate bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs.....lb. 2.04 - —
Linoleate, paste, 6% Co, dms....lb. .56 - —
solid 8½% Co, dms.....lb. .65 - —
8% Co, dms.....lb. 61¼- —
Naphthenate, solid, 6% Co, dms., dlvd..lb. .87 - —
Nitrate, feed grade, 20.4% Co, bbls. lb. 75¾- —
Oxide, black, kgs.....lb 1.27½- 1.30
Phosphate feed grade, 31% Co, kgs. lb. 1.26½- —
Resinate, precip., 7.5% Co, dms...lb. 38¼- —
Sulphate 6ms.....lb. .65 - —
feed grade, 21% Co kgs.....lb. 1.00 - —
Cobalt salts, feed grade quotations are f.o.b. Phila., Cleve. or N. Y.
Cobalt-ammonium sulphate, 14% Co. kgs..lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocillana bark, bgs.....lb. .19 - .20
Cocoa butter, bgs.....lb. .78 - .79
Codeine, cns., 100 ozs.....oz. 13.25 - —
Hydrochloride, cns., 100 ozs.....oz. 11.85 - —
Phosphate, cns., 100 ozs.....oz. 10.25 - —
Sulphate, cns., 100 ozs.....oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh black, root, bls.....lb. .18 - .19
Blue, bls.....lb. .21 - .23
Colchicum seed, bgs.....lb. 4.00 Nom.
Colchicine, bots., cns.....oz. No stocks
Collodion, USP, dms.....lb. .24 - .29
Flexible, USP, dms.....lb. .25½- .30¼
Colocynth pulp, bls.....lb. .50 - .52
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .43 - .44
Condurango bark, bgs., futures....lb. .21 - .23
Copaiba balsam, cns., dms.....lb. .65 - .66
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works....lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .24 - .28
Chloride, anhyd., bbls.....lb. .27 - —
crystals, bbls.....lb. .18¼- —
Cyanide, tech., bbls.....lb. .43 - —
Hydrate, dms., dlvd E. Miss.....lb .20¼- .20¾
Metal, electrolytic.....lb. .21½- —
Naphthenate, liquid, 8% Cu, dms., dlvd. lb. .22½- —
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls.....lb. .33 - —
solid, 10% Cu, bbls.....lb. .43¾- —
12.5% Cu, bbls.....lb. .44½- —
Oxide, black, bbls., works.....lb. .28 - .30
red, com'l, bbls., works.....lb. .30 - .32½
Oxychloride-sulphate, bgs., frt alld.lb. .21 - .24
Resinate, precip., 8.5% Cu, dms..lb. .21½- —
Stearate, bgs., works.....lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 7.60 - —
l.c.l.....100 lbs. 7.85 - 8.00
monohydrated, 35%, dms, c.l., dlvd. 100 lbs. 12.55 -12.80
l.c.l., dlvd.....100 lbs. 13.55 - —
tribasic, dealers, bgs., works, c.l. lb. .21½- .22¼
l.c.l., works.....lb. .23 - .23½
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton 14.00 - —
Copra, c.i.f., Pacific ports.....ton. 325.00 - —
Atlantic or Gulf ports.....ton. 331.00 - —
Coriander seed, Argentine, bgs, futures. lb. .06 - .06¼
Persian, bgs.....lb. .21½- .22
Moroccan, bgs.....lb. .06¾- .07¼
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min..100 lbs. 6.59 - —
bbls., c.l., same basis..100 lbs. 6.64 - —
Syrup, 42°, bbls., c.l.....100 lbs. 6.95 - —
l.c.l.....100 lbs. 7.10 - —
Cornsilk, bls.....lb. .21 - .22
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more..lb. 1.68 - —
gran., powd., dms., 50 lbs. or more..lb. 1.53 - —
Cottonroot bark, bls.....lb. .39 - .42
Cottonseed hull ash, 32-36% potash, bgs., dlvd. unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E..ton. 83.60 -85.00
Coumarin, cns., 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
Cramp bark, NF, bls.....lb. .80 - .85

Cream of tartar, com., USP, gran, or powd., bbls., 5,000 lbs. one shipt..lb. .35½- —
bbls., kgs., smaller lots.....lb. .36 - .86¼
Creosote, beechwood, bots., cbys....lb. 1.15 - 1.20
Coaltar, crude, tanks, works.....gal. .19½- .21½
refined, dms., c.l., works.....gal. .38½- —
l.c.l., same basis.....gal. .39 - —
tanks, same basis.....gal. .25 - —
solution, 80%, tanks, works..gal. .20 - —
Hardwood, N. F., bots., cbys.....lb. .80 - .85
Pinewood, dms.....gal. .31 - .32
Creosote carbonate, bots., cbys.....lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt equald..lb. .17½- .19
l.c.l., same basis.....lb. .17¾- .19½
tanks, same basis.....lb. .17 - .18¼
USP, dms., c.l., same basis.....lb. .17¾- .19¼
l.c.l., same basis.....lb. .17¾- .19¾
tanks, same basis.....lb .17 - .18½
Crotonaldehyde, 91-93% dms., 55 and 110 gals., l.c.l., works..lb .16½- .17
5 and 10-gals., l.c.l., works....lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works.....100 lbs. 13.75 -14.75
Cube root, powd., 5% rotenone, bbls., works..lb. .38 - —
4% rotenone, bbls., works.....lb. .30½- —
Cubeb berries, XX, bgs.....lb. .60 - .65
powd., cs.....lb. .70 - .75
Culvers root, bbls.....lb. .60 - .70
Cumin seed, Cyprian, bgs.....lb. No stocks
Indian, bgs. futures.....lb .40 - .41
Italian, bgs.....lb. .08¾- .09
Moroccan, bgs.....lb. No stocks
Persian, bgs.....lb. .22½- .23
Syrian, bgs.....lb. .22 Nom.

Cutch, extract, 55% tan., bgs., ex dock..lb. .09¼- —
Cyanamide, fertilizer mixing grades, 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk.. unit-ton. 2.53 - —
pulv., 21% N., bgs., same basis. unit-ton. 2.45 - —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, tech., dms., c.l., works..lb. .21½- —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Cyclohexanone, tech., dms., c.l., works. lb. 26½- 30
l.c.l., works.....lb. 27 - 31
tanks, works.....lb. 25 - 29
Cyclohexylamine, dms., works.....lb. 32 - —
Cyclopropane, USP cyls., dlvd...gal. .27 - —

D

Damiana leaves, bls.....lb. .75 - 80
Dandelion root, bls.....lb. .60 - .72
DDT, fiber, dms., c.l., works.....lb. .29 - —
ton lots, works.....lb. .31½- —
dms., smaller lots.....lb. .34½- —
Decanol, normal tech., dms., dlvd. lb. .35 - —
Deertongue leaves, bls.....lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., Columbus, Ga..ton. 39.25 - —
Texarkana, Ark.....ton. 41.00 - —
Tupelo, Miss.....ton. 39.25 - —
Wales, Tenn.....ton. 39.25 - —
Rock, paper bgs., works.....ton 34.25 - —

Chloroform—Diatomaceous Earth

Degras, common, bbls.....lb .10 - .12
Neutral, less 2% ffa., bbls.....lb. .19 - .19¼
over 2% ffa., bbls.....lb. .13 - .13½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l..100 lbs. 8.69 - —
Chicago.....100 lbs. 8.98 - —
l.c.l.....100 lbs. 8.84 - —
Corn, Canary, bgs., c.l.....100 lbs. 8.43 - —
Chicago.....100 lbs. 7.82 - —
l.c.l.....100 lbs. 8.58 - —
dark, bgs., c.l.....100 lbs. 8.58 - —
Chicago.....100 lbs. 7.92 - —
l.c.l.....100 lbs. 8.68 - —
white, bgs., c.l.....100 lbs. 8.28 - —
Chicago.....100 lbs. 7.67 - —
l.c.l.....100 lbs. 8.43 - —
Above prices are for dextrin in paper bgs: cotton bgs., 17c higher
Potato, dom., bgs.....lb. 12½- .13
imp., bgs.....lb. 1165 1185
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots.....lb 5.20 - 5.85
laboratory grade, bots....100 grams 4.50 - —
tech., bots., works.....lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks.....lb. No prices
Diamylphenols, mixed, dms., c.l., works..lb. .31 - —
l.c.l., works.....lb .32 - —
tanks, works.....lb. .30 - —
Diamisidin, dms.....lb 1.54 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton. 50.00 -52.00
California.....ton. 38.00 -40.00
l.c.l., ex whse.....ton. 80.00 - —

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FORMULA.....HCl

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DOW

CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Diatomaceous Earth—Dyes, Coaltar

Diatomaceous earth, dom., purified, bgs., c.l., Atlantic coast..ton.62.00 - —
California .....ton.50.00 - —
l.c.l., ex whse.....ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l., Atlantic coast.....lb. .06 - —
Dibutyl phthalate, dms., c.l.....lb. .37 - .38½
l.c.l. .....lb. .38 - .39
tanks .....lb. .35½- .37
Sebacate, dms., c.l., works.....lb. .74½- —
l.c.l., works .....lb. .75 - —
tanks, works .....lb. .73 - —
Tartrate, dms., works, frt. alld...lb. .92 - 1.02
Dibutylamine, dms., c.l., works.....lb. .52½- —
l.c.l., works.....lb. .53½- —
tanks, works.....lb. .50 - —
Dibutylmetacresol, dms., c.l., works, lb. .79 - —
l.c.l., works .....lb. .80 - —
Dibutylparacresol, dms., c.l., works, lb. .94 - —
l.c.l., works .....lb. .95 - —
Dichloroanilin, dms., works.....lb. .75 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works..lb. .42½- —
ton lots, works.....lb. .45 - —
tins, small lots, works.....lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald....lb. .28 - —
Dicoumaral, bots., works.....lb.18.00 - —
Dicyclohexylamine, dms., works... lb .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works..lb. .42½- —
l.c.l., same basis.....lb. .43 - —
Diethanolamine, dms., c.l., frt. alld, E..lb. .26 - —
l.c.l., same basis.....lb. .27 - —
smaller containers, same basis....lb. .30 - —
tanks, same basis.....lb. .24½- —
Diethyl carbonate, dms., l.c.l.....lb. .40½- —
Oxalate, dms., c.l.....lb. .35½- —
l.c.l. .....lb. .36½- —
tanks .....lb. .34 - —
Phthalate, dms., c.l., frt. equald..lb. .31½- .33½
dms., l.c.l., frt. equald.....lb. .32½- .34
tanks, frt. equald.....lb. .30 - .32
Sulphate, dms., c.l., works.....lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Diethylamine, dms., c.l., works....lb. .69 - —
l.c.l., works .....lb. .71 - —
tanks, works .....lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss..lb. .75 - —
Diethylanilin dms. .....lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld, E..lb. .16½- —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethylether, dms., l.c.l., works...lb. .40 - —
Monobutylether, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26½- —
tanks, works.....lb. .24½- —
Monobutylether acetate, dms., c.l., works..lb. .27½- —
l.c.l., works.. .....lb. .28 - —
Monoethylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. 16½- —
Diethyleneglycol monoethylether acetate, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .24½- —
Monomethylether, dms., c.l., works, lb. .22 - —
l.c.l. .....lb. .22½- —
tanks .....lb. .20½- —
Diethylenetriamine, dms., c.l., works.. lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —
Diethylstilbestrol, bots. .....kilo.330.00 - —
Digitalin, cryst., bots.....gram.18.00 -19.00
powd., bots. .....gram. 1.25 - 1.75
Digitalis leaves, dms.....lb. 1.05 - 1.15
Stearate, bbls., c.....lb. .40 - —
Diglycol laurate, dms.....lb. .33 - —
Oleate, light, bbls., c.l.....lb. .33 - —
Dihydroxydichlorodiphenylmethane, dms..lb. .95 - 1.00
smaller containers .....lb. 1.05 - 1.10
Di-isobutyl ketone, dms., c.l., works.lb. .17½- —
l.c.l., works.....lb. .18 - —
tanks .....lb. .16 - —
Di-isobutylene, dms., c.l., works....lb. .07 - —
l.c.l., works .....lb. .07½- —
tanks, works .....lb. .05½- —
Dillseed, decorticated, bgs.....lb. .16 Nom.
dewhiskered, bgs. .....lb. .11½- .12
Dimethyl phthalate, dms., c.l., dlvd, lb. .27½- —
l.c.l., dlvd. .....lb. .28 - —
tanks, dlvd. .....lb. .26 - —
Sebacate, dms., c.l., works.....lb. .86¼- —
l.c.l., works .....lb. .86¾- —
tanks, works .....lb. .85¼- —
Sulphate, ret. 55-gal. dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
ret. 10-gal. dms., works.....lb. 16½- —
Dimethylamine, anhyd., cyl., works, basis 100%..lb. .38½- .48½
20%-40%, dms., c.l., works, basis 100%..lb. .28 - —
l.c.l., works, basis 100%.....lb. .38½- —
tanks, works, basis 100%.....lb. .33 - —
Dimethylanilin, dms., c.l.....lb. .21 - .25¾
l.c.l. .....lb. .25 - .26¾
Dinitroaniln, dms., frt. equald....lb. .50 -
Dinitrobenzene, bbls.....lb. .16 - .21¾
Dinitrochlorobenzene, dms.....lb. .14 - .17
Dinitrophenol, bbls.....lb. .22 - .26¾
Dinitrotoluene, oily, dms.....4b. .07 - .08½
refd., dms.....lb. .17¾- .18¾
Dinonylnaphthalene, tanks, works.lb. .15 - —
Dioctyl phthalate, dms., c.l., frt. alld, lb. .433 - —
l.c.l., frt. alld.....lb. .443 - —
tanks, frt. alld.....lb. .418 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .48 - —
smaller lots, dlvd.....lb. .50 - —
Dioxan, dms., c.l., frt. alld.....lb. .25 - —
l.c.l., same basis.....lb. .25½- —
tanks, same basis.....lb. .23½- —
Dip oil (see tar acid oil).
Dipentene, dest.-dist., dms., incl., c.l., works, South.....gal. .35 - .53
l.c.l., same basis.....gal. .36 - .55
N. Y. whse.....gal. .50 - —
steam-dist., dms., c.l., whse., NYC, gal. .59 - —
l.c.l., same basis.....gal. .53 - .62
Diphenyl, bbls., c.l., works.....lb. .15 - —
l.c.l., works .....lb. .16 - .20
Oxide, perfume grade, cns.....lb. .48 - .61
dms. .....lb. .45 - .56
Diphenylamine bbls.*.....lb .25 - —
Diphenylguanidin, dms., ton lots...lb. .35 - —
smaller lots.....lb. .40 - —
Ditertiarybutylmetacresol, dms., c.l., works..lb. .29 - —
l.c.l., works .....lb. .30 - —
Ditertiarybutylparacresol, dms., c.l., works..lb. .94 - —
l.c.l., works .....lb. .95 - —
Divi-divi 43% tannin, bgs., bbs., c.l., U.S. ports, ex dock..ton.64.00 -66.00
Divinylbenzene, 18%, dms., c.l., wks.lb. .25 - —
l.c.l., works.....lb. .26 - —
tanks, works.....lb. .24 - —
40%, dms., c.l., works.....lb. .29 - —
l.c.l., works.....lb. .30 - —
Doggrass root, dom., cut, bls.....lb. .27 - .28
imp., N.F., cut, bls.....lb. .35 - .40
Dogwood, Jamaica, bark, bls.....lb. .12 - .14
Dragon's blood, drops, cs.....lb. .45 - .47
mass, cs.....lb. 1.50 - 1.55
reeds, cs..... No stocks
Dyes, coaltar, certified colors for foods, drugs and cosmetics, 1-lb. lots:—
Blue, FD&C, No. 1, cns.....lb.14.85 - —
No. 2, cns.....lb.14.85 - —
Green, FD&C, No. 1, cns.....lb.14.85 - —
No. 2, cns.....lb.19.25 - —
No. 3, cns.....lb.20.25 - —
Orange, FD&C, No. 1, cns.....lb. 3.20 - —
No. 2, cns.....lb. 4.00 - —
Red, FD&C, No. 1, cns.....lb. 6.60 - —
No. 2, cns.....lb. 4.00 - —
No. 3, cns.....lb.19.25 - —
No. 4, cns.....lb. 6.35 - —
No. 32, cns.....lb. 4.55 - —
Yellow, FD&C, No. 1, cns.....lb. 9.35 - —
No. 3, cns.....lb. 2.90 - —
No. 4, cns.....lb. 2.90 - —
No. 5, cns.....lb. 3.45 - —
No. 6, cns.....lb. 3.45 - —
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns .....lb 9.15 - —
Blue, D&C, No. 4, cns .....lb 13.55 - —
Brown, D&C, No. 1, cns.....lb 13.55 - —
Green, D&C, No. 5, cns.....lb.13.55 - —
No. 6, cns.....lb 13.75 - —
No. 7, cns.....lb.12.45 - —
Orange, D&C, No. 3, cns.....lb 9.15 - —
No. 4, cns.....lb 16.85 - —
No. 5, cns.....lb. 4.75 - —
No. 10, cns .....lb 17.40 - —
Red, D&C, No. 8, cns.....lb 3.10 - —
No. 9, cns.....lb 3.10 - —
No. 10, cns.....lb. 2.50 - —
No. 11, cns.....lb 1.85 - —
No. 12, cns.....lb. 2.50 - —
No. 17, cns.....lb. 9.15 - —
No. 18, cns.....lb.20.15 - —
No. 21, cns.....lb 3.95 - —
No. 22, cns.....lb 9.15 - —
No. 28, cns.....lb.20.70 - —
No. 33, cns.....lb 14.65 - —
Violet, D&C, No. 1, cns.....lb.13.55 - —
No. 2, cns.....lb.13.55 - —
Yellow, D&C, No. 7, cns.....lb 9.15 - —
No. 8, cns.....lb 9.15 - —
No. 10, cns.....lb.11.35 - —
No. 11, cns.....lb.11.35 - —
No. 22, cns.....lb. 9.15 - —
No. 23, cns.....lb.14.65 - —
No. 37, cns.....lb.13.55 - —
Dyes, coaltar, certified colors for external use drugs and cosmetics, 1-lb lots:—
Green, Ext. D&C, No. 1, cns.....lb.13.55 - —
Red, Ext. D&C, No. 1, cns.....lb.1.35 - —
No. 3, cns.....lb.23.00 - —
Blue, Ext. D&C, No. 1, cns.....lb.13.55 - —
Yellow, Ext. D&C, No. 1, cns ...lb 9.15 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
20 Chrysamine G.....lb. .46 - .48
27 Orange G.....lb. .58 - .61
31 Amido naphthol red G.....lb. .70 - .73
36 Alizarine yellow 2G.....lb. .69 - —
40 Alizarine yellow R.....lb. .83 - —
57 Amido naphthol red 6B.....lb. .83 - .99
79 Ponceau R.....lb. .58 - —
151 Orange II.....lb. .56 - —
165 Red lake C.....lb. 1.05 - —
176 Red lake A.....lb. .68 - .73
179 Azo rubine.....lb. .70 - —
180 Diamond blue 3B.....lb. .69 - .73
185 Cochineal red A.....lb. .73 - —
202 Chrome blue black R.....lb. .46 - —
203 Chrome black T.....lb. .54 - —
208 Sulphon acid blue R.....lb. .72 - .73
216 Acid alizarin red B.....lb. .65 - —
234 Resorcin brown.....lb. .70 - 1.09
246 Naphthol blue black.....lb. .58 - .61
278 Benzo fast red 8BL.....lb. 2.73 - 3.33
280 Sulphon cyanine 5R extra...lb. .84 - .99
299 Diamond black F.....lb. 1.03 - 1.07
304 Nerol 2B.....lb. 1.51 - —
326 Benzo fast orange S.....lb. 1.33 - 2.23
332 Bismarck brown R.....lb. .59 - .61
365 Chrysophenine .....lb. 1.75 - —
382 Diamine scarlet B.....lb 1.33 - —
401 Diamine black BH.....lb. .44 - .46
406 Benzo blue 2B conc.....lb. .85 - 1.21
419 Diamine fast red F.....lb. .88 - 1.07
420 Diamine brown 3B.....lb. .69 - .84
448 Benzo purpurine 4B.....lb. .80 - —
518 Diamine sky blue FF.....lb. 1.82 - —
561 Trisulphon brown B.....lb. 1.15 - —
581 Direct deep black EW extra..lb. .61 - .65
593 Diamine green B.....lb. .51 - .73
598 Congo brown G.....lb. 1.09 - —
620 Sun yellow.....lb. .69 - .73
639 Xylene light yellow.....lb. 1.45 - 1.52
650 Turquoise .....lb 1.11 - —
655 Amazoine .....lb. 1.52 - 1.54
657 Malachite green.....lb. 1.61 - —
662 Brilliant green.....lb. 2.42 - —

All Alike at the Start, but...

"DOC" MacGEE SAYS: At the post, every horse looks good . . . equal to his competitors . . . a potential winner. But things happen after the starting bell rings and the barrier goes up. When the race is finally over, only one horse emerges the winner.

You'll find a parallel to this in the field of special industrial naphthas. At first glance, and without detailed investigation, they all seem pretty much alike; one as good as another. And each one finds users who'll either support it fully or be willing to take a chance with it.

But after everything is considered—after the race is run—more and more solvent users are discovering that *only one* solvent — SKELLYSOLVE — is a *consistent* winner. These users know they're not gambling when using SKELLYSOLVE.

It is the outgrowth of years of pioneering in the making of close-cut type naphthas for various industries, begun over 18 years ago, and never ceasing to continue. SKELLYSOLVE is famous for its *unvarying high quality;* it always meets the highest standards. Too, SKELLYSOLVE users know they can always depend on Skelly Oil Company for prompt shipment of every order.

And, when emergencies arise, and unusual problems come up, there is always a staff of SKELLYSOLVE Technical Fieldmen on hand to give competent help.

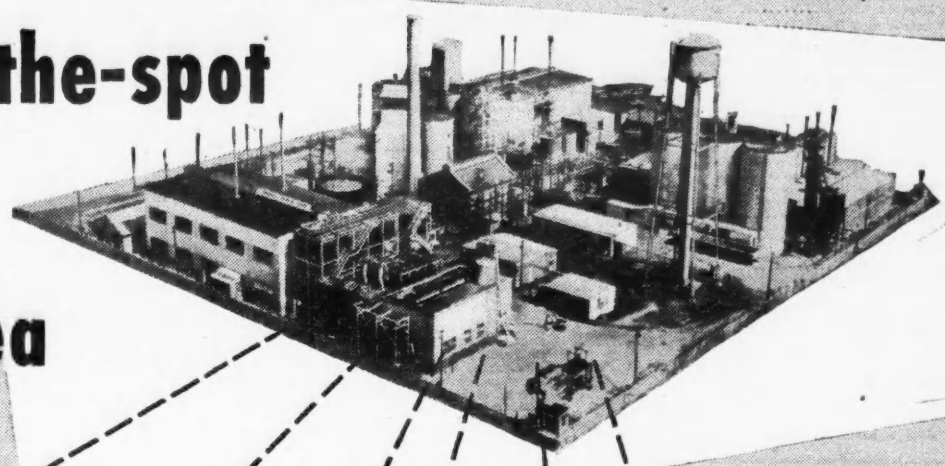
Yes . . . experience, quality, dependability, and a genuine willingness to serve are what keep SKELLYSOLVE in front. Rely on SKELLYSOLVE in your operations; you'll win every time!

SKELLY

Skellysolve

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MO.

Plant and Laboratories of the Cornwell Chemical Corporation conveniently located on the Delaware River, Cornwells Heights (just outside of Philadelphia).



your johnny-on-the-spot supplier in the Philadelphia area

SULPHURIC ACID
66°— 98%

NITRIC ACID
36° 38° 40° 42°

MIXED ACID
to order

ALUMINUM CHLORIDE SOLUTION
32°

ANHYDROUS GLAUBER'S SALT

MURIATIC ACID
18° 20° 22°

DINITRO-CHLOROBENZENE
—minimum setting point 46° Centigrade

Acids delivered in tankwagons, carboys (13 and 6½ gals.) and 750 lb. drums.

Dinitrochlorobenzene delivered in tankwagons, 55 gal. drums and carboys.

Anhydrous Glauber's Salt shipped in 200 lb. bags.

Cornwell Chemical Corporation
CORNWELLS HEIGHTS, PA.
Telephone: Torresdale (Phila.) 4-7358, Cornwells 0302 • Cable: SEECHEM

Dyes, Coaltar, General Use—Fir Balsam

Dyes, coaltar, general use, 667 Brilliant milling green B..lb. 3.15 - —
671 Glaucine .....lb. 1.30 - 1.33
680 Methyl violet B.....lb. .87 - .90
681 Crystal violet.....lb. 1.91 - 1.97
698 Formyl violet S4B.....lb. 1.28 - 1.33
720 Chrome azurol B.....lb. 3.03 - —
729 Victoria blue B.....lb. 2.48 - —
737 Wool green S.....lb. 1.40 - 1.80
749 Rhodamine B.....lb. 3.85 - —
814 Chloramine yellow.....lb. 2.33 - —
841 Safranine .....lb. 2.17 - —
865 Nigrosine WSJ 78.....lb. .53 - —
922 Methylene blue GXX.....lb. 1.21 - —
969 Hydron blue R.....lb. .61 - —
978 Sulphur black T extra.....lb. .24 - .26
1027 Alizarin VI.....lb. .64 - —
1034 Alizarin red S.....lb. 2.37 - —
1054 Alizarin saphirol B.....lb. 2.18 - 2.30
1078 Alizarin cyanine green.....lb. 2.42 - 2.54
1085 Alizarine blue black B.....lb. 1.88 - 1.94
1096 Indanthrene golden orange G, single paste..lb. 1.82 - —
double paste.....lb. 3.51 - —
1099 Indanthrene dark blue BO, single paste..lb. 1.41 - 1.45
1101 Caledon jade green.....lb. 2.35 - —
1106 Indanthrene blue RS, single paste..lb. 1.03 - —
double paste.....lb. 2.13 - —
1113 Indanthrene blue GCD, double paste..lb. 1.41 - 1.45
1150 Indanthrene olive R, single paste..lb. 1.08 - —
1151 Indanthrene brown R, single paste..lb. 1.65 - —
double paste.....lb. 3.19 - —

Dyes, coaltar, general use, 1212 Indanthrene red violet RH, single paste..lb. 1.40 - 1.43
1217 Helindon orange R, single paste. lb. 1.57 - 1.62
p-4 Acid anthracine brown PG..lb. 2.30 - 2.35
p-14 Anthracene chromate brown EB. lb. .98 - 1.00
p-24 Benzo fast black L.....lb. 1.13 - 1.64
p-80 Diazo brilliant scarlet ROA..lb. 2.5[illegible] - —
p-202 Zambesi black V.....lb. 1.19 - —
p-244 Celliton scarlet B.....lb. 1.07 - —
p-313 Naphthol AS-SW.....lb. 2.42 - 2.50

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works at warehouse.
Black, blue, No. 550.....lb. 61 - —
Jet, No. 551 .....lb. 66 - —
Brown, R, conc.....lb 1.04 - —
Orange R, brilliant.....lb 67 - —
Red, 4 B, conc.....lb. 1.03 - —
Yellow, G .....lb. 88 - —
FN, conc. .....lb 91 - —

Dyes, coaltar, for stains, spirit-soluble, same basis.
Auramine, O .....lb. 1.54 - —
Black, basic, blue.....lb 91 - —
Jet .....lb 91 - —
Blue, methylene, 2 B, conc....lb. 1.21 - —
Brown, Bismarck, R, conc....lb. 61 - —
Chrysodine, R, extra.....lb 41½- —
Y, extra .....lb 48 - —
Fuchsine, conc .....lb. 2.63 - —
Green, Malachite, conc.....lb 1.64 - —
Rhodamine, B .....lb. 4.37 - —
Safranine, Y, conc.....lb. 2.19 - —
Violet, methyl, B.....lb. 87 - —

Dyes, coaltar, for stains, water-soluble, same basis.
Black, acid blue, B, extra.....lb. .61 - —
Orange, acid, Y, conc.....lb. .36 - —
Rhodamine, azo-, R, extra, conc. lb. .79 - —
Scarlet, crocein, MOO.....lb. 1.12 - —
Yellow, azo-, conc. .....lb. .81 - —
Fast light, 3 G, extra.....lb. 1.69 - —
Methanil, conc.....lb. .76 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls.....lb. 50 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. .93 - 1.05
tanners, bbls. .....lb. .06 - .07
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls. .....lb. .35 - .40
Elm bark, grinding, bls.....lb. .35 - .38
powd., bbls., bxs.....lb. .48 - .56
select, bndls. .....lb. .70 - .75
Emetine hydrochloride, bots. .....oz.53.50 -54.00
Ephedra herb, bls. .....lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs. oz. .84 - —
hydrous, bots., 100 ozs.....oz. .78 - —
Hydrochloride, tin, 100 ozs.....oz. .60 - —
Sulphate, cryst., tins, 100 ozs..oz. .57 - —
powd., tins, 100 ozs.....oz. .58 - —
Epichlorohydrin, dms., c.l., works, lb. .36½- —
l.c.l., works .....lb .37 - —
tanks, works .....lb .35 - —
Epinephrine, synth., USP, bots. gram .60 - .70

Epsom salt, tech., bgs., c.l.....100 lbs. 2.30 - —
l.c.l. .....100 lbs. 3.05 - —
USP, cryst., bgs., c.l.....100 lbs. 2.50 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 3.25 - —
smaller lots .....100 lbs. 3.50 - —
Epsom salt prices freight equalized: Baltimore, Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.

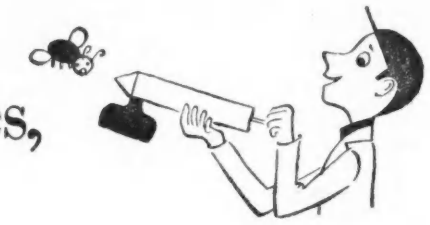
Ergot, USP, cns.....lb. 1.25 - 1.30
Eserine, bots. .....oz.55.00 -56.00
Sulphate, bots.....oz.60 00 -61.00
Ether, acetic (see Ethyl acetate).
Amyl, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Butyl, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
tanks .....lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works..lb. .16½- —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., dlvd.....lb. 06 - —
l.c.l., dlvd. .....lb. 06½- —
tanks, dlvd.....lb. 04½- —
Nitrous, conc., bots., 100 lbs.....lb. .98 - 1.10
Sulphuric, conc., dms.....lb. .18 - .23
USP, anesthesia, hospital, cns..lb. .75 - 1.05
synthetic, dms., c.l., frt. alld..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .12 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .17½- .19½
l.c.l., frt. alld.....lb. .18½- .20½
tanks, frt. alld.....lb. .16 - .18
95-98%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .21 - —
tanks, frt. alld.....lb. .18½- —
99%, dms., c.l., frt. alld.....lb. .18 - .20½
l.c.l., frt. alld.....lb. .19 - .21½
tanks, frt. alld.....lb. .16½- .18½
NF, dms. .....lb. .30 - —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld.....lb. .14½- —
tanks, frt. alld.....lb. .12 - —
95-98%, dms., c.l., frt. alld...lb. .13½- —
l.c.l., frt. alld.....lb. .14½- —
tanks, frt. alld.....lb. .12½- —
99%, dms., c.l., frt. alld.....lb. .14½- —
l.c.l., frt. alld.....lb. .15½- —
tanks, dlvd.....lb. .12½- —
Acetoacetate, dms., c.l., works.....lb. .41½- —
l.c.l., works.....lb. .42½- —
tanks, works.....lb. .40½- —
Benzoate, bots .....lb. 60½- 66
Betaethoxypropionate, dms., works. lb. .70 - —
Bromide, tech., 98% dms.....lb. 36 - .40
Butyrate, bots.....gal. 5.50 - —
cns., works.....lb. .65 - .70
dms., works .....lb. .60 - —
Carbamate, dms dlvd. 2.....lb. 58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 2.80 - 3.00
Formate, cns., lb., dlvd.....lb. .60 - —
dms., dlvd.....lb. .60 - —
Formate, dms. .....lb. No stocks.
Iodide, bots .....lb 4.08 - 4.27
Lactate, dms., works .....lb. .41 - —
Methacrylate, M-2, dms., works..lb. .60 - —
cns., works .....lb. .63 - .67
P-2, cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices
Oenanthate, dms .....lb. 2.60 - 3.25
Oleate, dms., l.c.l., works.....lb. .75 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO_2, dms., works. lb. .50 - —
Ethylalphanaphthylamine, bbls.....lb. .80 - —
Ethylanilin, dms.....lb. .60 - —
Ethylcellulose fib dms., 5,000 lbs., works. lb. .52 - —
smaller lots, works.....lb. .54 - .62
Ethyldiethanolamine dms., l.c.l., works lb. .80 - —
Ethylene dichloride, dms., c.l., works frt. alld. E. of Rockies..lb. .09 - —
West of Rockies.....lb. .09½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .11½- —
West of Rockies.....lb. .12 - —
smaller containers.....lb. .12½- —
tanks, frt. alld. E. Rockies....lb. .08 - —
West of Rockies.....lb. .08½- —
Oxide, dms., c.l., works.....lb. .20 - .21
l.c.l., works.....lb. .21 - .22
tanks, works .....lb. .15 - .16
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works....lb. .40 - —
Ethyleneglycol, dms., c.l., frt. alld. E..lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13½- —
Diethylether, drs., l.c.l., works..lb. .50 - —
Monobutylether, dms., c.l., works.lb. .21½- —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Monoethylether, dms., c.l., works.lb. .18 - —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether acetate, dms., c.l., works. lb. .16½- —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Monomethylether, dms., c.l., works. lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Monomethylether acetate, dms., c.l., works..lb. .24½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Ethylethanolamines, mixed, dms., c.l., works..lb. .32 - —
l.c.l., works .....lb. .33 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots.oz.11.85 - —
Ethylorthotoluidine, bbls. .....lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots .....lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms.....lb. 2.05 - 4.00
Eucalyptus leaves, bls.....lb. .12 - .13
Eugenol, prime USP XII.....lb. 2.35 - 3.25
Euphorbia, pil., herb, bls.....lb. .15 - .16

F

Feldspar, enamel, 100 mesh bgs., works, ton.17.00 -20.50
bulk, c.l., works.....ton.14.00 -17.50
Glass, 20 mesh, bgs., tons, works, ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
Pottery, bulk, c.l., works.....ton.17.00 -19.00
bgs., l.c.l., 2 tons, works.....ton.20.00 -22.00
Fennel seed, Argentine, bgs.....lb. .08½- .09
Indian, bgs.....lb. .15 - .15½
Fenugreek, domestic, bgs.....lb. .10 - .10¼
Indian, bgs. .....lb. .11 - .11½
futures, bgs. .....lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works....lb. .13½- —
water-white, cs., works.....lb. .14½- —
Fir balsam, Canada, cns.....gal.32.50 -33.00
Oregon, bbls. .....gal. 2.25 - 2.30

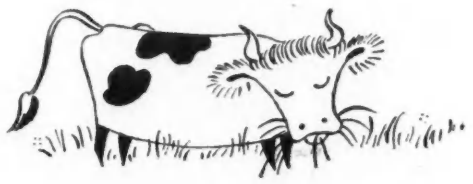
If you make cleansers

or insecticides,



process foods

or tan hides



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In a dozen different fields, from dye bath to pickling bath, Wyandotte Kreelon answers the need for a highly effective synthetic organic detergent and wetting agent.

Broadly classified as a surface active agent, this versatile new product is efficient in reducing the surface tension of water and aqueous solutions. It *penetrates, spreads, emulsifies, disperses and cleans as it wets.* Its great value lies in its ability to function well in acid, alkaline or neutral solutions, and in hard or soft waters—either alone or in solutions and dry mixes with a great number of other chemicals.

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Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine • Hydrogen • Dry Ice • Glycols
Ethylene Dichloride • Propylene Dichloride • Chloroethers • Aromatic Sulfonic Acid Derivatives • Other Organic and Inorganic Chemicals

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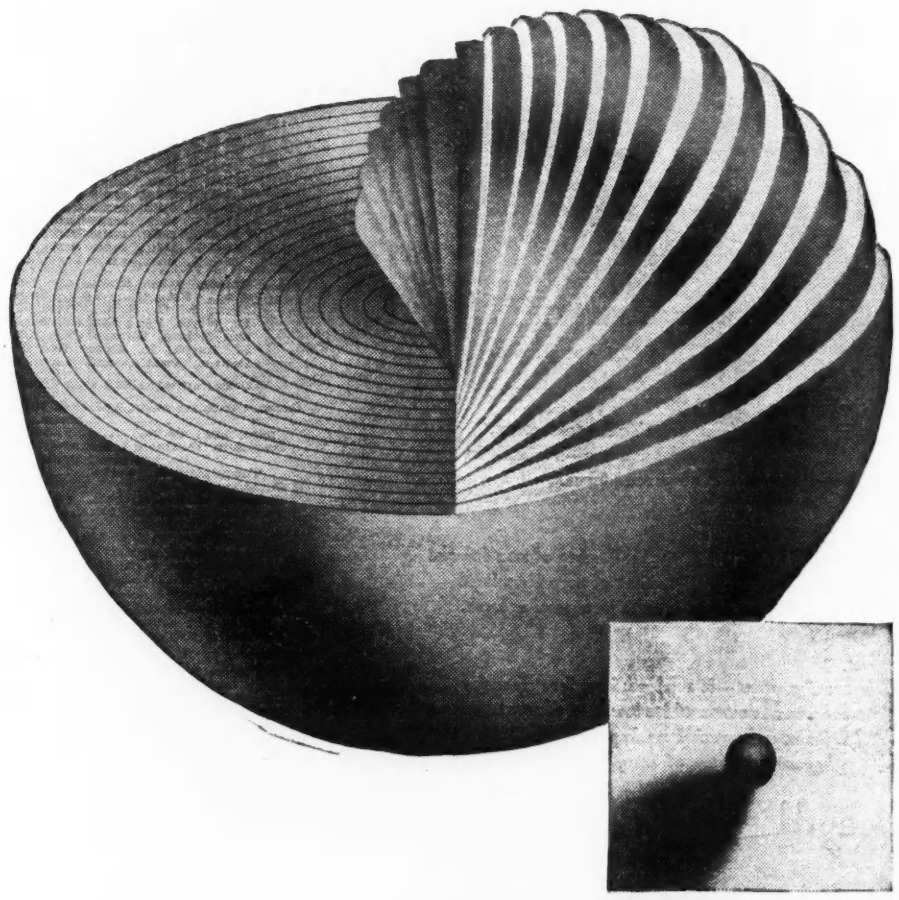
Whatever form your product may take, Strong Cobb can manufacture it for you. Remember that our 52 pharmaceutical chemists work and think for you, when Strong Cobb does your manufacturing. Why not discuss your production problems with our Technical Sales Director?

. . . then 52 pharmaceutical chemists built a *celet*



1. *Compressed slug—therapeutic agents and filler.*
2. *15 layers—therapeutic agents.*
3. *3 layers—protective coat, water-soluble moisture-resistant film.*
4. *2 layers—therapeutic agent.*
5. *2 layers—protective coat.*
6. *2 layers—therapeutic agent.*
7. *2 layers—protective coat.*
8. *3 layers—therapeutic agent.*
9. *2 layers—protective coat.*
10. *3 layers—protective coat and adhesive.*
11. *1 layer—aqueous medium protective coat.*
12. *2 layers—white shellac.*
13. *1 layer—gelatin solution.*
14. *4 layers—protective coat.*
15. *4 layers—sub-coat.*
16. *2 layers—adhesive.*
17. *12 layers—finishing coat.*
18. *Color process (eight hours).*
19. *4 layers—polishing agent.*

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Strong Cobb & Company Inc.
2654 Lisbon Road, Cleveland 4, Ohio

Fish Berries—Gum, Galbanum

Fishberries, bgs. ..... lb. 24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Baltimore, area ..ton 125.00 - —
65% protein, bgs., Baltimore, area ..ton 130.00 - —
Fishscrap, dried, 60% protein, bulk, Baltimore, area ..ton 110.00 - —
Flaxseed, black, bgs. ..... lb .35 - .36
blonde, bgs. ..... lb. .26 - .27
Husks, bgs. ..... lb .72 - .73
Fluorspar, acid grade, bgs., c.l., mines ..... ton 45.50 - —
l.c.l., mines ..... ton 47.50 - —
bulk, contract, c.l., mines ..... ton 40.00 - —
noncontract c.l., mines ..... ton 43.00 - —
l.c.l., mines ..... ton 45.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2 bulk, c.l., mines net ton 38.50 - —
washed gravel, 70% or more, CaF_2 bulk, c.l., mines ..ton 34.00 - —
65%, bulk, c.l., mines ..... ton 33.00 - —
60%, bulk, c.l., mines ..... ton 32.00 - —
less than 60%, bulk, c.l., mines ..... ton 30.00 - —
Formaldehyde, inhibited, bbls., c.l., works, lb 0695- —
l.c.l., works ..... lb 0715- —
dms., extra, c.l., works ..... lb .0595- —
l.c.l., works ..... lb 0615- —
tanks, works ..... lb. 0420- —
tanktrucks, dlvd., N.Y.C. ..... lb. 0445- —
uninhibited, tanks, works ..... lb 0400- —
Fringetree bark, bls. ..... lb 65 - 66
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ..ton 30.00 - —
Tex. mines ..... ton 27.00 - —
spent, bulk, Bayonne ..... ton 2.00 - 4.00
imp., bgs., c.l. ..... ton 30.00 - 40.00

Furfural, tech., dms., c.l., works .lb. .13 - —
dms., cns., l.c.l., works ..... lb. .15½ - .20½
tanks, works ..... lb. .09½ - —
Fusel oil, refined, dms., c.l. ..... lb. .20½ - —
l.c.l. ..... lb. .30½ - —
tanks ..... lb. .28 - —
Fusite extract, cryst., No. 1, bbls., l.c.l. lb. .42½ - —
No. 1A, bbls., l.c.l. ..... lb .41½ - —
No. 2, bbls., l.c.l. ..... lb .40½ - —
No. 3, bbls., l.c.l. ..... lb. .38½ - —
liquid, No. 0, bbls., l.c.l. ..... lb .22 - —
No. 1, bbls., l.c.l. ..... lb .20½ - —
No. 2, bbls., l.c.l. ..... lb .19½ - —
No. 3, bbls., l.c.l. ..... lb .17 - —
solid, No. 1, bxs., l.c.l. ..... lb .28 - —

G

G salt, bbls. ..... lb .ba - .
Galangal root, bls. ..... lb. .17 - .18
Gambier, plantation, bgs., ex dock .lb. .21 - .23
Extract, bbls. ..... lb. No stocks
Gammapicoline, 95% dms., c.l. works ..... lb 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .1075- —
Bayonne, 74 octane, tanks, gal. .118 - —
Gulf coast, 73-75 octane, tanks, gal .105 - .11
Group 3, 73-75 octane, tanks, gal. .105 - .125
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks, gal. .115 - .1175
natural, 26-70, octane group 3, tanks, gal. .085 - —

Gelatin, silver label, ctns., dlvd. ....lb. 1.25 - —
export, cs. ..... lb. 1.35 - —
Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.
Gelsemium root, bls. ..... lb. .35 - .40
Gentian root, bls. ..... lb .16 - .17
grd., bbls., bxs. ..... lb .19 - .20
powd., bbls., bxs. ..... lb .21 - .22
Geraniol, 92-96%, cns. dms. ..... lb 3.40 - —
prime ..... lb. 2.75 - —
Geranyl acetate, cns. ..... lb. 3.35 - 3.90
Ginger, oleoresin, bots. ..... lb. 4.25 - 4.75
Root, African, bls. ..... lb. .15 - .15½
Cochin, bleached, bgs. ..... lb. No stocks
unbleached, bgs., futures ..... lb. .20 - .20½
Jamaica, No. 1, bgs. ..... lb. 20 Nom.
No. 2, bgs. ..... lb .19 - .19½
No. 3, futures ..... lb. .17½ - .17¾
Rhattoon, bgs. ..... lb. .17 - .17½
Glauber's salt, anhyd (see Soda sulphate).
cryst., bgs., works ..... 100 lbs. 1.25 - 1.75
l.c.l., bgs., works ..... 100 lbs. 1.75 - 2.10
Glue, bone, calcium type, 21 millipoise, 36 jellygrams, bgs., c.l., East of Midwest, lb. 21 - 24
36/56, bgs., c.l., same basis ..lb. 22 - 26
58/82, bgs., c.l., same basis ..lb. 23 - 26
82/108, bgs., c.l., same basis ..lb. 25 - 27
Bone glue, l.c.l. prices, 1c. higher than c.l. ground, 40-45 jelly in grams, bgs., c.l. (50,000 lbs.), dlvd. ..lb 26 - —
l.c.l., same basis ..... lb. 27 - —
pulverized, 60 jelly in grams, bgs., c.l. (50,000 lbs.), same basis ..lb. 27½ - —
l.c.l., same basis ..... lb 28½ - —

Glue, hide, 100-121 (jelly in grams), bgs., c.l., dlvd. .lb. .23 - .27
122-149, bgs., c.l., dlvd. ..... lb. .25 - .29
150-177, bgs., c.l., dlvd. ..... lb. .25 - .29
178-206, bgs., c.l., dlvd. ..... lb. .26 - .30
207-236, bgs., c.l., dlvd. ..... lb. .27 - .31
237-266, bgs., c.l., dlvd. ..... lb. .28 - .32
267-298, bgs., c.l., dlvd. ..... lb. .29 - .33
299-350, bgs., c.l., dlvd. ..... lb. .30 - .34
351-362, bgs., c.l., dlvd. ..... lb. .31 - .35
363-394, bgs., c.l., dlvd. ..... lb. .32 - .36
395-427, bgs., c.l., dlvd. ..... lb. .33 - .37
428-460, bgs., c.l., dlvd. ..... lb. .34 - .38
461-494, bgs., c.l., dlvd. ..... lb. .35 - .39
495-529, bgs., c.l., dlvd. ..... lb. .36 - .40
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., 2c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd. ..lb. .28 - .30
soaplye, 80%, tanks, dlvd. ..... lb. .27 - .29
dynamite, dms., c.l., dlvd. ..... lb. 39½ - .40½
l.c.l., dlvd. ..... lb .40 - .40¾
tanks, dlvd. ..... lb. 39½ - .40
Glycerin, high gravity, dms., c.l. ..lb. 39½ - .40¼
l.c.l. ..... lb. .40 - .40¾
tanks ..... lb. 39¼ - .40
refined, BP, 98%, dms., c.l. ..... lb. 39¾ - .41½
tanks ..... lb. 39½ - .41¼
USP, 95%, dms., c.l. ..... lb. 39½ - .41¼
l.c.l ..... lb. .40 - .41¾
tanks ..... lb. 39½ - .40
yellow, distilled, dms., c.l. ..... lb. 39⅝ - .40⅛
l.c.l ..... lb. 39⅝ - .40⅛
Glycine USP (see Acid, aminoacetic)
Glycol borborate, dms. ..... lb .22 - —
Stearate, dms ..... lb .26 - —
Gold chloride, acid-brown, bots. .. oz. 22.00 - 22.25
acid-yellow, bots ..... oz. 20.00 - 20.25
Gold of pleasure seed, bgs. ..... lb. .40 - .41
Goldenseal root, bls. ..... lb. 5.50 - 5.75
powd., bxs. ..... lb. 5.75 - 6.00
Gold-sodium chloride, photo, bots. ..oz. 13.50 - 14.00
USP IX, bots. ..... oz. 14.50 - 15.00
Grains of paradise, bgs. ..... lb. .40 - .41
Graphite, imported, amorphous, bgs., dlvd. ..lb .04 - .06
crystalline, 88-90% powd., bgs., ex whse lb .14 - .16
90-92% powd., bgs., ex whse lb .16 - .19
97% powd., bgs., ex whse lb .22 - .25
flake, No. 1 90-95%, bgs., ctns., ex whse lb .21 - .22
No. 2, bgs., ex whse ..... lb .23 - —
Grease, house, loose ..... lb. .11½ - .12½
White, choice, loose ..... lb. .13 - .14
Wool (see Degras and Lanolin)
Yellow, loose ..... lb. .12 - .13
Green, brilliant, thionavin, toner, molybdic, kgs., works lb 4.25 - 4.50
Tungstic, kgs., works ..... lb 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 31½ - —
6-10%, bbls., same basis. lb. 35½ - —
11-15%, bbls., same basis. lb. 36½ - —
16-20%, bbls., same basis. lb. 37 - —
21-25%, bbls., same basis. .lb. 38 - —
26-30%, bbls., same basis. .lb. 38¼ - —
31-35%, bbls., same basis. .lb. 38 - —
36-40%, bbls., same basis. .lb. 41 - —
41-45%, bbls., same basis. .lb. 42½ - —
46-50%, bbls., same basis. .lb. 44½ - —
50% and over, bbls., same basis. .lb 45¼ - —
reduced color, 5%, bbls., same basis. lb. 10 - —
6-10%, bbls., same basis .lb 10¾ - —
11-13%, bbls., same basis. .lb. 11¾ - —
14-16%, bbls., same basis. .lb. 12 - —
17-19%, bbls., same basis. .lb 12¼ - —
20-21%, bbls., same basis. .lb. 12½ - —
22-23%, bbls., same basis. .lb. 12¾ - —
bbls., same basis. ..... lb. 12¾ - —
24-25%, bbls., same basis. .lb. 13 - —
26-27%, bbls., same basis. .lb. 13½ - —
28-29%, bbls., same basis. .lb. 14 - —
30-31%, bbls., same basis. .lb. 15 - —
32-33%, bbls., same basis. .lb. 16¼ - —
34-35%, bbls., same basis. .lb. 17¼ - —
36-40%, bbls., same basis. .lb. 20 - —
41-45%, bbls., same basis. .lb. 22½ - —
46-50%, bbls., same basis. .lb 23¾ - —
51-55%, bbls., same basis. .lb. 25½ - —
56-60%, bbls., same basis. .lb. 24 - —
61-65%, bbls., same basis. .lb. 25 - —
66-70%, bbls., same basis. .lb. 26½ - —
Chrome green prices are 2c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita. Prices are equalized with Chicago.
Green, chromium oxide, hydrated, bbls., works. lb. .75 - 1.00
pure, bgs., works ..... lb. .31½ - .38
Malachite, thioflavin toner, molybdic, bbls., works. lb 3.00 - —
Tungstic, bbls., works ..... lb 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works .lb. 4.40 - 5.00
Tungstated, brilliant, bgs. ..... lb. 3.00 - 4.00
Emerald, bgs. ..... lb 2.00 - —
Verdigris (see V)
Dyes (see Dyes, coaltar).
Grindelia robusta herb, bls. ..... lb. .30 - .35
Guaiac resin, cs. ..... lb. .48 - .49
Wood, bls ..... lb. .55 - .56
Guaiacol, cryst., NF, tins ..... lb. No Prices.
liquid, NF, bots., cbys. ..... lb. 1.80 - 1.85
Carbonate, NF, dms ..... lb. 2.85 - —
Guarana, powd., cs. ..... lb. 2.00 - 2.10
Gum, aceroldes (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs. ..... lb. .90 - .95
Arabic, amber, sorts, bgs. ..... lb. .14 - .14¼
white, sorts, 1, bgs. ..... lb. .28 - .29
powdered, USP, bbls. ..... lb. 20½ - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs. ..... lb. .40 - .45
Camphor (see C).
Copal, Congo, No. 1, bgs. ..... lb. .26 - .28
No. 2, bgs. ..... lb. .21 - .23
No. 3, bgs. ..... lb. .17 - .18
Macassar DEB, bgs. ..... lb. 23½ - 24½
APA, bgs. ..... lb. 23½ - 24½
John C, bgs. ..... lb. 27½ - 28½
Philippine, 1st quality, bgs. ..... lb. .27 - .29
2nd quality, bgs. ..... lb. .22 - .24
3rd quality, bgs. ..... lb. .19 - .22
Dammar, Batavia, AE, cs. ..... lb. 24½ - .26½
E, cs. ..... lb. .18 - .19
Singapore, No. 1 ..... lb. .29 - .30
No. 2, cs. ..... lb. .23 - .25
East India, black, bold, bgs. ..... lb. .14 - .15½
Batu, bold, bgs. ..... lb. .11 - .12½
nubs, bgs. ..... lb. 68½ - .69½
Elemi, cns. ..... lb. .25 - .27
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. ..... lb. .17 - .17¾
Wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc. lb. .17 - .17¾
Euphorbium, cs. ..... lb .50 - .55
Galbanum, cs. ..... lb. .85 - .90

ALCAN

HEAVY Industrial Chemicals

HYDRATED LIME — A fine white, fluffy material, widely used in bleaching powder, causticizing reactions, acid neutralizing and pH control.

ALUMINUM FLUORIDE — Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.

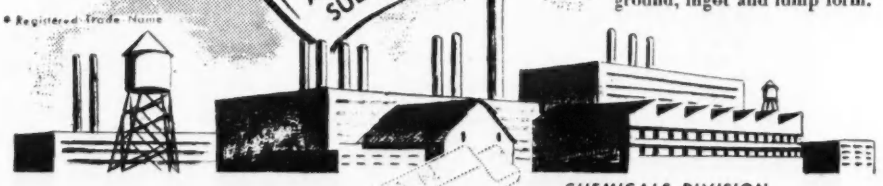
MICRONIZED* PRODUCTS — Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.

MAGNESIA "90" — A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.

ARTIFICIAL CRYOLITE — Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.

ALUMINUM SULPHATE — A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.

* Registered Trade Name



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ALUMINUM COMPANY OF CANADA, LTD.
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EXPORT DISTRIBUTORS:
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ALUMINUM UNION LTD. — LONDON STOCKHOLM MADRID MONTREAL SHANGHAI SYDNEY CALCUTTA
ALUMINUM IMPORT CORP. — NEW YORK BUENOS AIRES SAO PAULO

Gum, gamboge, pipe, cs.....lb. 1.70 - 2.00
powd., bbls.....lb. 1.95 - 2.25
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Gualac resin).
Karaya, No. 1.....lb. .46 - .51
No. 2.....lb. .38 - .43
No. 3.....lb. .33 - .36
No. 4.....lb. .28 - .31
No. 5.....lb. .23 - .27
No. 6.....lb. .20 - .22
Kauri, bgs.....lb. 31½- .32¾
Locust bean, powd., bgs.....lb. .42 - .45
Mastic, cs.....lb. 2.25 - —
Myrrh, cs.....lb. .35 - .38
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .22 - .38
Opium (see O).
Red (see Gum yacca).
Rosin (see R)
Sandarac, cks.....lb. 1.20 - 1.45
Scammony, cs.....lb 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.00 - 3.70
No. 2, cs.....lb. 3.20 - 3.25
No. 3, cs.....lb. 2.25 - 2.75
powdered, USP, bbls.....lb. 1.25 - 1.45
Yacca, bgs.....lb. .06 - .07
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald.. ton 22.65 - —
Harlem river, N. Y., frt. equald. ton 28.25 - —
Medicine Lodge, Kans., frt. equald. ton 17.00 - —
New Brighton, N. Y., frt. equald. ton 20.65 - —
Southard, Okla., frt. equald. ton 17.00 - —
Sweetwater, Tex., frt. equald. ton 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton 12.50 - —
Blue Rapids, Kans., frt. equald. ton 10.50 - —
Harlem river, N. Y., frt. equald. ton 12.00 - —
Medicine Lodge, Kan., frt. equald.. ton 12.50 - —
New Brighton, N. Y., frt. equald. ton 18.00 - —
Southard, Okla., frt. equald. ton 12.50 - —
Sweetwater, Tex., frt. equald... ton 12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, frt. equald..ton. 8.00 - —
Akron, N. Y., frt. equald..ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 - —
Clarence Center, N. Y., frt. equald..ton. 8.00 - —
Fort Dodge, Iowa, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt equald..ton 8.00 - —
Gypsum, Ohio, frt. equald..ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 - —
National City, Mich., frt. equald..ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald..ton. 8.00 - —
Portsmouth, N. H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald..ton 9.00 - —
Southard, Okla., frt. equald.ton 8.00 - —
Sweetwater, Texas, frt. equald. ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works.ton.22.50 - —
New Brighton, N. Y., works... ton 21.00 - —

H

Hawthorn berries, bgs.....lb. .55 - .57
Heliotropin, cryst., cns.....lb 3.15 - 4.00
Hellebore, white, powd., bbls.....lb. .70 - .71
Helonias root, bls.....lb 2.20 - 2.25
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .45½- —
No. 1, bbls., l.c.l.....lb. .44½- —
No. 1A, bbls., l.c.l.....lb. .41½- —
No. 2, bbls., l.c.l.....lb. .40½- —
No. 3, bbls., l.c.l.....lb. .38½- —
No. 4, bbls., l.c.l.....lb. .36½- —
No. 5, bbls., l.c.l.....lb. .34½- —
paste, No 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4 (red), bbls., l.c.l.....lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works..lb No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .90 - 1.15
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial, tanks, group 3, gal. .12½- .13⅛
Hexalin (see Cyclohexanol).
Hexaethyl tetraphosphate, cns., works. lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .90 - 1.00
Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .26 - —
smaller lots, same basis.....lb. .27 - —
USP, dms., 500 lbs. or more, same basis..lb. .37 - —
smaller lots, same basis.....lb. .38 - —
Hexane, industrial, tanks, group 3, gal. 13½- .14⅛
Hexanol, normal, dms., c.l., works..lb. .27½- —
l.c.l., works.....lb. .28 - —
tanks, works.....lb. .26 - —
Homatropine, hydrebromide, bots...oz.18.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 3.50 - —
Hops, NF, bls.....lb. .55 - 1.30
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .14 - .17
Hydrastine, bots.....oz.33.50 -33.80
Sulphate, bots.....oz.33.50 -33.80
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms., fib. cns., works. lb. .30 - .40
Hydrogen peroxide, USP, bbls.....lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal..lb. .16½- .18⅛
35%, cbys, same basis, dms.....lb. .22½- —
dms., c.l., same basis.....lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks.....lb. .18¾- —
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 6.50 - 7.70
Hyoscine hydrobromide, bots.....oz.39.00 -42.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No 1, bbls., l.c.l. lb. 52½- —
No. 2, bbls., l.c.l.....lb. 44½- —
liquid, No. 1, bbls., l.c.l.....lb. 28½- —
No. 2, bbls., l.c.l.....lb. 23½- —
solid, No. 1, bxs., l.c.l.....lb. 41 - —
Hyssop herb, bgs.....lb. .50 - .55
Leaves, bgs.....lb. .55 - .60

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb 2.45 - —
Indian red (see Red Indian).
Indigo, nat., chests.....lb. 2.14 - 2.80
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.18.00 -23.00
Inositol, tins, dlvd.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten Island..lb. 1.720 - —
resubl., bots., jars.....lb. 2.35 - 2.45
Iodoform, dms., kgs.....lb 4.30 - 4.74
Ionone ketone, alpha, cns.....lb.12.50 -16.40
beta, cns.....lb. 9.00 -12.50
pure, cns.....lb. 5.65 - 7.95
Methyl (see M).
IPC, bots., 1-5 lbs.....lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't. point..lb. 2.50 - 2.50
50 lbs., ship't point.....lb. 2.40 - 2.52
10-25 lbs., ship't point.....lb. 2.50 - 2.54
Ipecac root, bgs.....lb. 4.60 - 4.70
powd., bgs.....lb. 4.85 - 4.95
Irish moss, bleached, prime, bls...lb. 20 - .21
Iron acetate, liquor, 25° bbls., c.l., works..lb. 09 - —
l.c.l., works.....lb. .09¾- —
solut., USP IX, cbys.....lb. 16 - —
ojns.....lb. .17 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 6.00 - 7.00
cryst., tech., bbls., works..100 lbs 5.00 - 6.00
l.c.l, bbls, works.....100 lbs 5.50 - 8.00
USP X, lump, bbls.....lb. 07½- 08
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .06 - 06½
Iron citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd..lb. 4.35 - —
Hypophosphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms., dlvd..lb. .21 - —
Nitrate, red, tech., dms.....lb. 03½- .04
Oxalate, gran., dms.....lb. .83 - .85
Phosphate, soluble, NF, gran., cs.lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms...lb. .69 - .72
Resinate, 7.4%, Fe, dms.....lb. .22 - —
Stearate, dms., c.l.....lb. .43 - —
ton lots.....lb. .44 - —
less ton lots.....lb. .45 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.52.50 - —
l.c.l., works.....ton.57.50 - —
partially hydrated, bgs., c.l., works..ton.28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms.....lb. .09½- .10
Iron by hydrogen, kgs.....lb. .80 - .85
Iron-ammonium citrate, brown, green, gran., dms..lb. .45 - .46
Oxalate, bbls.....lb. 23½- —
dms., bgs.....lb. .25½- .26½
Iron-sodium oxalate, fine gran., bbls., dms..lb .23½- .26½
Isobornyl acetate, cns.....lb. .97 - 1.10
Thiocyanoacetate, dms., c.l., works, gal. 3.85 - —
l.c.l., works.....gal. 3.85 - 4.05
tanks, works.....gal. 4.25 - —
Isobutyl acetate, cns.....lb. .97 - 1.25
Methacrylate, M-5, dms., works..lb. .60 - —
cns., works.....lb. .63 - .67
P-5, cns., works.....lb. .60 - —
Propionate, cns.....lb. No prices.
Isobutyraldehyde, dms., works.....lb. .32 - .35
Isoeugenol, extra, cns.....lb. 3.20 - 4.00
cbys., extra.....lb. 3.10 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld., E. of Rockies lb. .13½- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .12 - —
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb. .35 - .40

J

Jaborandi leaves, bls.....lb. .15 - .20
Jalap root, NF, bls.....lb. .44 - .50
powd., bbls., bxs.....lb. .50 - .60
Resin, powd., bxs.....lb. 7.15 - 7.25
Juniper berries, bgs.....lb. .10 - .16
Tar, USP, dms.....lb. .50 - .92

K

Kamala, powd., cns.....lb .38 - .40
Kaolin (see China clay).
Kava kava root, bls.....lb. .35 - .40

...White Lead adds MORE of the Properties that Make Good Paint

White Lead fills the bill 14 ways in helping you make good paint.

All along the line... from mixing and grinding to weather resistance... this one pigment offers 14 important paint-making properties. And these properties are imparted to paint in *well-balanced proportion.*

Many of White Lead's paint-making qualities grow out of this pigment's ability to form lead "soaps"... as explained at right.

Let us help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Our technical staff will offer recommendations backed by more than 30 years of continuous paint-fence studies... the longest project of its kind on record.

1. Mixing and Grinding Ease
2. Package Stability
3. Hiding
4. Brushability
5. Leveling
6. Drying Action
7. Whiteness
8. Fool-Proofness
9. Film Strength
10. Flexibility
11. Tint Retention
12. Adhesion
13. Gloss
14. Weather Resistance

How Lead "Soaps" Improve Paint

White Lead combines with oil to produce a distinctive type of "soap" formation, having a fibrous structure. The photomicrograph shows how multiple projections radiate from each central core.

As the soaps grow, these projections intermesh and the paint film is mechanically reinforced... given greater toughness, elasticity, adhesion, and weather resistance.

White Lead's tendency to combine with linseed oil also explains the ready wetting of this pigment and consequent mixing and grinding ease.

Dutch Boy Basic Carbonate White Leads
Reg. U.S. Pat. Off.

NATIONAL LEAD COMPANY — New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6, (National Lead Co. of Mass.); Philadelphia 7, (John T. Lewis & Bros. Co.).

Kerosene—Magnesium Hydroxide

Kerosene, at refinery: Ark., 42-44 w.w., tanks	gal.	09625	—
Bayonne, 41-43, w.w., tanks	gal.	.103	—
California, 40-43 w.w., tanks	gal.	.1115	.1340
Gulf ports, 41-43, w.w., tanks	gal.	.0925	.095
Okla.-Tex., 41-43, w.w., tanks	gal.	.095	.09625
Penn., 45 w.w., tanks	gal.	.1125	.13
47 w.w., tanks	gal.	.125	.13
Kola nuts, bgs.	lb.	.07	.08
Kyanite, lmp., low iron content, 10-mesh, whse.	ton.	85.00	-95.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Ladyslipper root, bls.	lb.	1.80	- 2.00
Lanolin, anhyd., cosmetic, dms., works.	lb.	.24	- .25
USP, dms., works	lb.	.22	- .23
hydrous, cosmetic, dms., works	lb.	.23½	—
USP, dms., works	lb.	.21½	—
Lard, cash, tres., Chicago	lb.	.23½	.24
Larkspur seed, bgs.	lb.	.55	- .57
Laurel berries, bls.	lb.	.25	- .26
Leaves, Portuguese, bls.	lb.	.08	- .08½
Greek, bls., futures	lb.	.08½	.09
Turkish, bls.	lb.	.14	- .14½
Lavender flowers, medium, bls.	lb.	.66	—
ordinary, bls.	lb.	.30	- .31
select, bls.	lb.	.75	—
Lead acetate, white, crystals, bbls.	lb.	.20	—
sugar, bbls.	lb.	.20½	—
powd., bbls.	lb.	.20¾	—
Lead arsenate, dealers, basic powder, 6-lb. bgs. or larger, c.l.	lb.	.23½	—
l.c.l.	lb.	.24½	.25½
1-lb. bgs., c.l.	lb.	.31	—
l.c.l.	lb.	.32	- .33
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.			
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.18¼	—
l.c.l., works	lb.	.19¼	—
Carbonate (see Lead, white).			
Chloride, tib. dms.	lb	49	—
Iodide, NF V, jars	lb.	2.94	- 3.13
Linoleate, solid, 13%, bbls.	lb.	.38¾	—
Metal, pigs, prime, N. Y.	lb.	.17½	—
E. St. Louis	lb.	.1730	—
Metallic paste, dms., 10,000-40,000 lbs., works	lb.	.27½	—
2,000-10,000 lbs., same basis	lb.	.28½	—
up to 2,000 lbs., same basis	lb.	.30	—
Naphthenate, liquid, 10% Pb, dms., dlvd.	lb.	.16½	—
24% Pb, dms., dlvd.	lb.	.22¾	—
Nitrate, bbls., c.l.	100 lbs.	20.10	—
l.c.l.	100 lbs.	20.35	—
Oleate, bbls.	lb.	.33½	—
Peroxide, powd., tech., bbls.	lb.	.29	- .31
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld.	lb.	.20¼	—
l.c.l., same basis	lb.	.21¼	—
97% Pb_3O_4 bbls., c.l., same basis.	lb.	.20½	—
l.c.l., same basis	lb.	.21½	—
98% Pb_3O_4 bbls., c.l., same basis.	lb.	.20¾	—
l.c.l., same basis	lb.	.21¾	—
Lead resinate, precip., 23.8% Pb, dms.	lb.	.25	—
Silicate, bgs.	lb.	.17	- .17½
Stearate, bbls., c.l.	lb.	.49	—
ton lots	lb.	.50	—
less ton lots	lb.	.54	—
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, liquid, 16% Pb, dms.	lb.	.15	—
solid, 30% Pb, dms.	lb.	.23¼	—
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.19	—
l.c.l., same basis	lb.	.20	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.17¼	- .21¼
l.c.l., same basis	lb.	.17¾	- .22⅞
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—
Lecithin, edible, tech, bleached, dms., non-ref., c.l., works	lb.	.22	—
l.c.l., same basis	lb.	.24	- .29
unbleached, c.l., same basis	lb.	.20	—
l.c.l., same basis	lb.	.22	- .27
Lemon peel, bls.	lb.	.25	- .30
Licorice extract, mass, cns.	lb.	.25	- .30
powd., bbls.	lb.	.40	- .42
Root, bls.	lb.	.06	- .07
5-lb. bundles, cs.	lb.	.60	- .65
powd., bbls.	lb.	.10½	- .11
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04¾	—
Lime, agricultural, bulk, works	tons.	9.00	- 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	9.00	—
Annville, Pa.	ton.	9.00	—
Pelletonte, Pa.	ton.	9.00	—
Berkeley, W. Va.	ton.	9.00	—
Buffalo, N. Y.	ton.	9.00	—
Carey, Ohio	ton.	7.00	—
Lime, chemical (quicklime), lump, pebble, bulk, Cedar Hallow, Pa.	ton.	9.50	—
Cedar Hallow, Pa.	ton.	9.50	—
Crab Orchard, Tenn.	ton.	8.50	—
Eagle Mountain, Va.	ton.	8.50	—
Farnams, Mass.	ton.	9.00	—
Gibsonburg, Ohio.	ton.	9.00	—
Hannibal, Mo.	ton.	8.50	—
Keystone, Ala.	ton.	8.50	—
Knoxville, Tenn.	ton.	8.50	—
Limedale, Ark.	ton.	8.50	—
Longview, Ala.	ton.	9.00	—
Manistique, Mich.	ton.	8.00	—
Marblehead, Ohio.	ton.	8.50	—
Martinsburg, W. Va.	ton.	8.50	—
Menominee, Mich.	ton.	9.00	—
Mitchell, Ind.	ton.	8.00	—
Newala, Ala.	ton.	7.50	—
Ripplemead, Va.	ton.	8.50	—
Riverton, Va.	ton.	8.50	—
Rockland, Maine	ton.	9.00	—
Sciota, Ohio.	ton.	6.50	—
Sherwood, Tenn.	ton.	9.39	—
Sherwood, Wis.	ton.	8.50	—
Springfield, Mo.	ton.	8.00	—
Woodville, Ohio.	ton.	9.50	—
York, Pa.	ton.	9.00	—
Hydrated, paper bgs., Adams, Mass.	ton.	11.50	—
Annville, Pa.	ton.	11.50	—
Bellefonte, Pa.	ton.	11.50	—
Berkeley, W. Va.	ton.	10.00	—
Buffalo, N. Y.	ton.	11.50	—
Carey, Ohio.	ton.	9.00	—
Cedar Hollow, Pa.	ton.	11.50	—
Crab Orchard, Tenn.	ton.	11.65	—
Eagle Mountain, Va.	ton.	10.00	—
Engle, W. Va.	ton.	11.50	—
Farnams, Mass.	ton.	11.50	—
Gibsonburg, Ohio.	ton.	9.50	—
Hannibal, Mo.	ton.	9.50	—
Keystone, Ala.	ton.	12.25	—
Knoxville, Tenn.	ton.	11.50	—
LeRoy, Minn.	ton.	10.50	—
Limedale, Ark.	ton.	10.00	—
Longview, Ala.	ton.	12.25	—
Manistique, Mich.	ton.	9.50	—
Marblehead, Ohio.	ton.	10.50	—
Mitchell, Ind.	ton.	10.00	—
Newala, Ala.	ton.	12.25	—
Petoskey, Mich.	ton.	10.00	—
Port Island, Mich.	ton.	9.00	—
Rapid City, S. Dak.	ton.	12.00	—
Rockland, Maine	ton.	9.00	—
Ripplemead, Va.	ton.	10.00	—
Sciota, Ohio.	ton.	8.00	—
Sherwood, Tenn.	ton.	12.14	—
Sherwood, Wis.	ton.	10.00	—
Springfield, Mo.	ton.	9.00	—
Woodville, Ohio.	ton.	8.50	—
York, Pa.	ton.	11.50	—
Spray, paper bgs., Adams, Mass.	ton.	11.70	—
Annville, Pa.	ton.	11.50	—
Bellefonte, Pa.	ton.	11.50	—
Carey, Ohio.	ton.	11.00	—
Engle, W. Va.	ton.	11.50	—
Farnams, Mass.	ton.	9.50	—
Gibsonburg, Ohio.	ton.	10.00	—
Marblehead, Ohio.	ton.	10.00	—
Rockland, Me.	ton.	10.00	—
Sciota, Ohio.	ton.	10.00	—
Woodville, Ohio.	ton.	10.00	—
York, Pa.	ton.	11.50	—
Lime salts (see Calcium).			
Lime ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).			
Limestone, grd., bulk, works	ton.	1.40	—
Linalool, ex bois de rose	lb.	4.50	- 6.85
ex lignaloe wood	lb.	6.50	- 7.00
Linalyl acetate, ex bois de rose, bots.	lb.	4.35	- 7.20
ex lignaloe wood, bots.	lb.	8.25	- 8.30
ex petitgrain, bots.	lb.	5.10	- 6.35
Linden flowers with leaves, bls.	lb.	.33	- .34
without leaves, bls.	lb.	.31	- .35
Linseed meal, 34% bulk, Midwest mills	ton.	67.00	—
Litharge, com'l powd., bbls., c.l., ship't point, frt. alld.	lb.	.19½	—
l.c.l., same basis	lb.	.20¼	—
Lithium bromide, bbl., works, frt. equald.	lb.	1.90	—
Carbonate, NF, bbls., kgs.	lb.	1.15	—
Chloride, jars	lb.	1.15	- 1.65
Citrate, bbls., dms., kgs.	lb.	1.30	- 1.45
Fluoride, bbls	lb.	1.90	—
Hydroxide, jars	lb.	1.15	- 1.25
Lithopone, ordinary, bgs., c.l., ship't point	lb.	.06⅝	—
l.c.l., same basis	lb.	.06⅝	- .06¾
Titanated (high-strength), bgs., c.l.	lb.	.08½	—
smaller lots	lb.	.08½	—
Lithopone Puc. Cst. prices ¾c. higher			
Liverwort leaves, bls.	lb.	.88	- .95
Lobelia herb, bls.	lb.	.75	- .80
Lobeline sulphate, bots., works	oz.	25.50	-28.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.38½	—
No. 2, bbls., l.c.l.	lb.	.36½	—
Liquid, No. 1, bbls., l.c.l.	lb.	.18½	—
No. 2, bbls., l.c.l.	lb.	.17½	—
No. 3, bbls., l.c.l.	lb.	.17	—
No. 4, bbls., l.c.l.	lb.	.16½	—
solid, No. 1, bxs., l.c.l.	lb.	.33	—
No. 2, bxs., l.c.l.	lb.	.31	—
No. 3, bxs., l.c.l.	lb.	.28½	—
No. 4, bxs., l.c.l.	lb.	.28	—
No. 5, bxs., l.c.l.	lb.	.26½	—
No. 6, bxs., l.c.l.	lb.	.44½	- .49¼
Lovage root, lmp., bls.	lb.	1.20	- 1.25
Lupulin, NF VII, tins	lb.	7.00	- 8.00
Lycopodium, cs.	lb.	2.35	- 2.50

M

Mace, No. 1, Sinaw, cs.	lb.	1.35	- 1.37
East Indian, bgs., futures	lb.	1.35	- 1.38
Papua, bgs., futures	lb.	1.15	- 1.20
West Indian, bgs.	lb.	1.42	- 1.45
broken	lb.	1.15	- 1.20
Madder, Dutch, bgs.	lb.	.29	- .32
Magnesia, calcined, tech., bbls., works.	lb.	.29	—
USP, bbls.	lb.	.31	- .33
Magnesium arsenate, bgs., cans, works.	lb.	.20	- 30
Bromide, dms.	lb.	.90	- 1.00
Carbonate, tech., bgs., c.l., frt. equald.	lb.	.08	—
l.c.l., frt., alld.	lb.	.09	—
bbls., c.l., frt. equald.	lb.	.09¼	—
l.c.l., frt. alld.	lb.	.10¼	—
kgs., c.l., frt. equald.	lb.	.10½	—
l.c.l., frt. alld.	lb.	.11½	—
USP, bgs., c.l., frt. equald.	lb.	.09⅝	—
l.c.l., frt. alld.	lb.	.10⅝	—
bbls., c.l., frt. equald.	lb.	.10¼	—
l.c.l., frt. alld.	lb.	.11¼	—
kgs., c.l., frt. equald.	lb.	.11½	—
l.c.l., frt alld.	lb.	.12½	—

Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works	lb.	12¾	—
flake, bbls., c.l., works	ton.	40.00	—
l.c.l., works	ton.	44.00	-46.00
Fluoride, bbls.	lb.	.20	- .25
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.29	- 30

More and more consumers will respond to the appeal of your products—creams, pastes, powders or liquids — when you package them in WIRZ Collapsible Metal Tubes. These self-dispensing units are designed to afford full protection for their contents, to assure high eye-appeal and to add convenience in use.

Let us help you plan a WIRZ Tube that will embody all these proved merchandising features. They will give you a safety margin in competitive markets.

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Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westvis Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression Molding

Magnesium hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls. .....lb. 46 - .47
Metal, 98.8%, ingots, cs., works...lb. .26½ - —
sticks, cs. .....lb. .34 - .38
Oleate, precip., bbls.....lb. .40½ - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.....lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls....lb. .62 - .67
Silicate (see Talc)
Silicofluoride, bbls., works.....lb. .10 - —
Stearate, cns., 2,000 lbs. to c.l...lb. .50 - —
smaller lots.....lb. .49 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, chem. grade, bgs., c.l., mines, Calif..ton.60.00 - —
dead-burnt, bulk, c.l., Chewelah, Wash..ton.27.00 - —
Maleic anhydride, dms., c.l.....lb. .27½ - —
l.c.l. .....lb. .28½ - —
Malva flowers, black, bls.....lb. No stocks
Blue, bls. .....lb. 1.35 - 1.40
Leaves, bls. .....lb. .40 - .42
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .30 - .32
Manganese acetate, dms.....lb. .23½ - —
Arsenate, bgs .....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls. .....lb. .19 - —
Chloride, anhyd., dms., works....lb. .18 - .19
Dioxide, African, battery, 84%-87% bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works.....ton.71.75 - —
l.c.l., works .....ton.74.75 -79.79
paper bgs., c.l., works.....ton.70.00 - —
l.c.l., works .....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works .....ton.77.00 -82.00
Glycerophosphate, fib. dms.....lb. 4.25 - —
Hyorate, bbls., dlvd.....lb. .26 - —
Iodide, jars .....lb. 5.55 - —
Linoleate, liquid, 4.35% Mn, dms.lb. .39½ - —
solid precip., 8.2% Mn, bbls...lb. .41½ - —
Metal, cs., dlvd East.....lb. .30 - .32
Naphthenate liquid, 6% Mn, dms..lb. .22½ - —
Oleate, fused, bbls.....lb. .44½ - —
Resinate, fused, 3½% Mn, bbls....lb. .09 - .10½
precip., dms. .....lb. .16 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E..ton.60.00 - —
l.c.l., dlvd. S. E.....ton.67.00 - —
feed grade, 80%, bgs.....lb. .05½ - .07
75%, bgs., c.l., dlvd. S. E....ton.68.50 - —
l.c.l., same basis.....ton.73.50 - —
Tallate, liquid, 4% Mn, dms.....lb. No prices
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock...tcn.63.00 - —
Manna, flake, large, cs.....lb. 1.70 - 1.75
small, cs.....lb. .80 - .85
Mannitol, com'l, bbls., works.....lb. .38 - .43
reagent, cs., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls. .....lb. .20 - .20½
French, bls. .....lb. .35 - .35½
Matico leaves, bls.....lb. .17 - .18
Menadione, USP, bots., works..gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 9.00 - 9.25
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, laevo, cns.....lb. 8.90 - 9.35
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.13 - 2.18
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF dms.....lb. 4.17 - —
Yellow, NF, fib. dms.....lb. 4.27 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide)
USP, fib. dms.....lb. 2.44 - 2.48
Mesityl oxide, dms., c.l., dlvd.....lb. .35 - —
l.c.l. dlvd. .....lb. .37½ - —
tanks, dlvd. .....lb. .11½ - —
Metachloraniline, dms., works.....lb. .75 - —
Metacresol, 98%, dms., works.....lb. .65 - .80
Metanitroparatoluidin, bbls.....lb. 1.22 - 1.33
Metaphenylenediamine, kgs.....lb. .76 - —
Metatoluidine, bbls., works.....lb. .80 - —
Metatolylenediamine kgs.....lb. .77 - —
Methanol, natural, dms., c.l., frt. alld. gal. .74 - 1.10
l.c.l., frt alld.....gal. .77 - 1.12
tanks, frt. alld.....gal. .66 - 1.09
Prices on natural methanol W. of Miss. 3c. higher synthetic, eastern production, Zone 1,
dms., c.l., frt. alld..gal. .37½ - .38½
l.c.l., frt. alld.....gal. .41 - .42
tanks, frt. alld.....gal. .27 - .28
zone 2, dms., l.c.l., frt. alld..gal. .45 - —
l.c.l., ex-whse.....gal. .47½ - —
tanks, frt. alld.....gal. .33 - —
Synthetic methanol Zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah, and Wash.
Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld..gal. .37½ - —
tanks, frt. alld.....gal. .27 - —
West of Rockies, dms., c.l., frt. alld..gal. .45 - —
tanks, frt. alld.....gal. .33 - —
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1..lb. .15¼ - —
l.c.l., same basis.....lb. .15¾ - —
hydrogenated, non-ret, dms., c.l., dlvd., zone 1..lb. .16¾ - —
l.c.l., same basis.....lb. .17¼ - —
Acetoacetate, dms., c.l., works....lb. .47 - —
l.c.l., same basis.....lb. .48 - —
tanks, works.....lb. .46 - —
Methyl acetoacetate prices, frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld.gal. .50 - —
l.c.l., same basis.....gal. .57 - —
Natural Methyl acetone group A prices W. of Miss. 3c. per gal higher.
group B, dms., incl., c.l., E. Miss., frt. alld..gal. .60 - .95
l.c.l., same basis.....gal. .71 - .93
tanks, same basis.....gal. .50 - .80
synthetic, dms., c.l., works, frt. alld. E..gal. .61½ - —
frt. alld. W.....gal. .64 - —
l.c.l., works, frt. alld. E....gal. .65 - —
frt. alld. W.....gal. .68½ - —
tanks, works, frt. alld. E....gal. .52 - —
frt. alld. W.....gal. .55½ - —
Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 500 lbs. or more....lb. 2.10 - —
smaller lots .....lb. 2.20 - 3.00
Benzoate, cns. .....lb. .55 - 1.20
Bromide, cns.....lb. .63 - .65
cyls. .....lb. .55 - .70

Methyl chloride, indust., cyl., works.lb. .16 - —
tanks, multi-unit, works.....lb. .14¾ - —
single-unit, works.....lb. .14 - —
refrigeration, indust. consumers, refrigeration machinery mfrs., cyls., dlvd..lb. .35 - —
retail refrigeration consumers at service men, cyls., dlvd..lb. .41 - —
Cinnamate, cns.....lb. 1.65 - 3.50
Formate, dms.....lb. .80 - —
Heptin carbonate, bots.....lb.36.00 -38.00
Iodide, bots., cbys.....lb 4.33 - 4.52
Lactate, dms, l.c.l., works .....lb. .35 - —
Methacrylate, M-1, dms., works..lb. .45 - —
cns., works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Salicylate, dms., 500 lbs.....lb. .40 - —
25-50 lbs .....lb. .45 - —
Methylal, refined, 95%, dms., c.l....lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works .....lb. .04½ - —
Methylamyl ketone, cns., dms., works. lb. No stocks
Methylcellulose, special vis (4,000 cps.), fib. cns., c.l., frt. alld..lb. .65 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
standard vis. (15-1,500 cps.), fib. cns., c.l., frt. alld..lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs..lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.42 - —
smaller lots, kgs., same basis....lb. 2.52 - 2.57

Magnesium Hypophosphite—Molybdate Orange

Methylene chloride, indust., dms., c.l., dlvd. E..lb. .12½ - —
l.c.l., dlvd., E.....lb. .13½ - —
tanks, dlvd., E.....lb. .11½ - —
Methyleneanilin, dms., ton lots, frt. alld. lb. .80 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., dlvd.....lb. .11½ - —
l.c.l., dlvd. .....lb. .13 - —
tanks, dlvd. .....lb. .10 - —
Methylhexyl ketone, tech., dms., works. lb. .60 - —
Methylonone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd.....lb. .16 - —
tanks, dlvd.....lb. .13½ - —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, dlvd. lb. .17½ - —
l.c.l., works, dlvd.....lb. .18½ - —
tanks, works, dlvd.....lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. 03¾ - —
roofing, 20 to 80 mesh, works....lb. 02¾ - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05½ - —
l.c.l., ex whse. or frt. alld. E. lb. .06¼ - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½ - —
l.c.l., ex whse. or frt. alld. E. lb. .06¼ - —
Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07½ - .07¾
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾ - —
l.c.l., ex whse. or frt. alld. E. lb. .07½ - .07¾
wallpaper, bgs., c.l., works, frt. alld. E. lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07½ - .07¾
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse or frt. alld. E lb. .07¾ - —
Mica, wet-grd. W. of Miss R., ½c higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l..lb. .14½ - .16¼
spray, bbls., c.l.....lb. .15¾ - .17
Whole, roller, bbls., c.l.....lb. .41½ - .43¼
spray, bbls., c.l.....lb. .41 - .45
Sugar, edible, bbls., works, 30,000-lb. lots. lb. .24 - —
2,000-lb. lots .....lb. .24½ - —
200-1,800-lb. lots .....lb. .25¼ - —
USP, bbls., works, 3,000-lb. lots..lb. .26 - —
2,000-lb. lots .....lb. .26¾ - —
200-1,800-lb. lots .....lb. .27¼ - —
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tank, U. S. port..gal. .37 - —
Molybdate orange (see Orange, molybdate)

From SHELL CHEMICAL

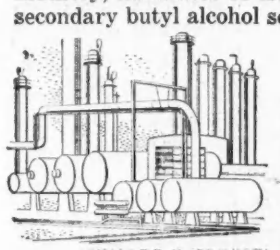
SYNTHETIC ALCOHOLS

useful as solvents, extractants, intermediates

AS SOLVENTS these high purity alcohols offer characteristics ranging from complete solubility in water to complete solubility in oil. These properties are important in the formulation of cleaning compounds, brake fluids, cutting oils and oil treating compounds. Alcohols in this group can also be used to excellent advantage as latent solvents in nitrocellulose lacquers and in the manufacture of antifreeze, fungicides and germicides.

AS EXTRACTANTS they provide high solvency for a variety of specific products. Isopropyl alcohol, for example, is used in the processing of pectin, sugar, starch, gelatin, animal and vegetable tissue. The selective solvency of these alcohols is also found to be advantageous in the refining of high grade mineral oils and in vitamin extraction.

AS INTERMEDIATES they serve many different industries. For example in the metallurgical industry, xanthates of isopropyl alcohol and secondary butyl alcohol serve as collectors in ore flotation. Secondary butyl alcohol, isopropyl alcohol and methyl isobutyl carbinol are important in the preparation of acetate esters for solvent use.



PHYSICAL PROPERTIES					
	MOLECULAR FORMULA	MOLECULAR WEIGHT	BOILING POINT °C.	SOLUBILITY % BY WEIGHT AT 20°C. IN WATER	SOLUBILITY % BY WEIGHT AT 20°C. WATER IN	FLASH PT. TAG OPEN CUP °F.
ISOPROPYL ALCOHOL	$CH_3CHOH.CH_3$	60.09	82.3	100	100	69
SECONDARY BUTYL ALCOHOL	$CH_3.CHOH.C_2H_5$	74.12	99.5	24.4	56.0	85
TERTIARY BUTYL ALCOHOL	$(CH_3)_3.COH$	74.12	82.4	100	100	60
METHYL ISOBUTYL CARBINOL	$(CH_3)_2CH.CH_2.CH(OH)CH_3$	102.17	131.63	1.8	6.35	131
ALLYL ALCOHOL	$CH_2{:}CH.CH_2OH$	58.08	96.9	100	100	90

A letterhead request to any of the Shell Chemical offices listed below will bring you full descriptive literature and samples of any or all of the above alcohols.

Among the many other Shell Chemicals are: Diacetone alcohol, methyl ethyl ketone, methyl isobutyl ketone.

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Molybdenum Metal—Oil, Fishliver

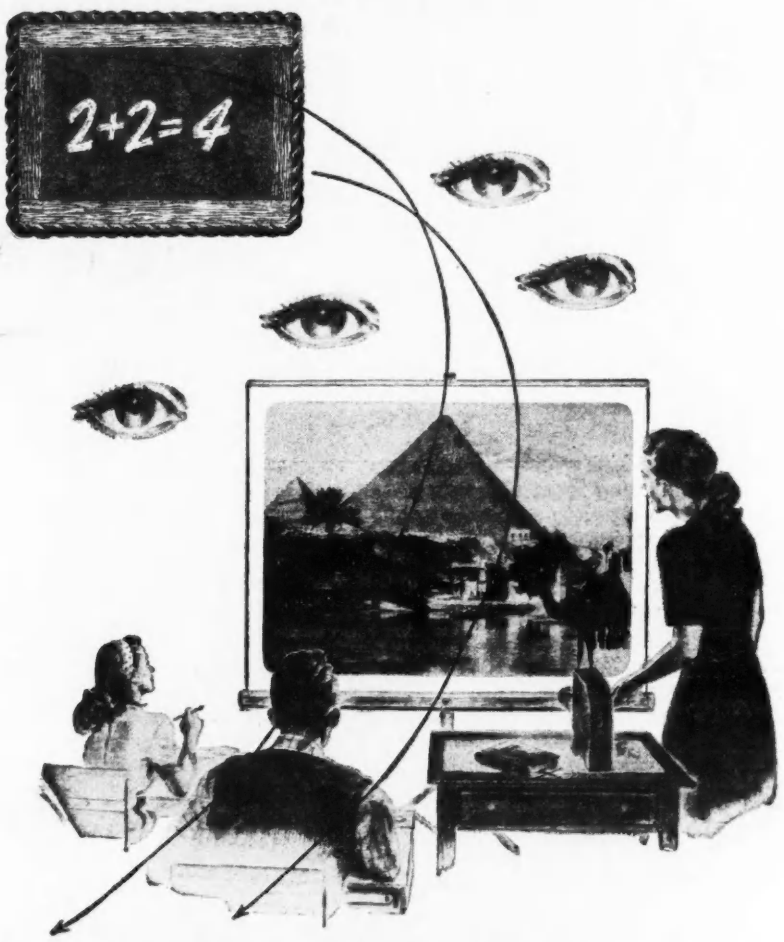
Molybdenum metal, 99% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .90 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06½- .07½
l.c.l., works..lb. .07 - .08½
smaller containers, works..lb. .09 - .10
tanks, works, frt. equald..lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E..lb. 26½- —
l.c.l., same basis..lb. 27½- —
smaller containers, same basis..lb. 30½- —
tanks, same basis..lb. 25 - —
Monoethylamine, dms., c.l., wks. basis 100%..lb. 22 - —
l.c.l., same basis..lb. .23 - —
tanks, same basis..lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44½
25%-40%, dms., c.l., same basis..lb. .34 - —
tanks, same basis..lb. .30 - —
Monononylnaphthalene, tanks, wks.lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., l.c.l., works..lb. .81 - —
Monotertiarybutylmetacresol, dms., l.c.l., works..lb. .81 - —
Morphine, cns., 25 ozs..oz. 2.40 - —
Acetate, cns., 25 ozs..oz. 9.90 - —
Hydrobromide, cns., 25 ozs..oz. 9.80 - —
Hydrochloride, cns., 25 ozs..oz. 9.90 - —
Sulphate, cns., 25 ozs..oz. 9.90 - —
Morpholine, dms., c.l., works..lb. .59½- —
l.c.l., works..lb. .60 - —
tanks, works..lb. .58 - —
smaller containers, works..lb. .75 - —
Mountain ash berries, bgs..lb. .75 - .76
Mullein leaves, bls..lb. 12 - .13
Musk, nat., Tonquin, grains, bots..oz. 58.00 -55.00
synthetic, ambrette, cns., 5-lb..... 5.65 - —
Ketone, cns., 100 lbs. or more..lb. 4.60 - 4.95
25 lbs. ..lb. 4.70 - 5.05
5 lbs. ..lb. 4.90 - 5.45
Xylol, cns. ..lb. 1.60 - 1.80
25 lbs. ..lb. 1.70 - 1.90
5 lbs. ..lb. 1.80 - 2.00
Musk root, bls..lb. No prices
Mustard seed, Calif., brown ..lb. .21 - .21½
Danish, yellow, bgs..lb. .15 - .15½
Dutch, yellow, bgs..lb. .15 - .15½
Montana, brown, bgs., source..lb. .11 - .11½
Oriental, bgs. ..lb. .07 - .07½
yellow, bgs., source..lb. .14 - .14½
Washington, yellow, bgs..lb. 16 Nom.
Myrobalans, JI, good quality, ex dock. ton. 51.00 -55.00
52, ex dock..ton. 47.00 -48.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., tanks, same basis..lb. .05½- .07¼
78°, bbls., c.l., same basis..lb. .06½- .08
l.c.l., same basis..lb .07 - .08½
tanks, same basis..lb .05½- .07½
Naphthalene, dom., refined, industrial, bbls..lb. .10¼- .11
1,000,000 units. .38 - —
bgs., c.l., same basis..lb. .09¾- .10½
tanks, same basis..lb. .09¼- .10
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis..lb. .12 - .12½
1-lb. pkgs., c.l., same basis..lb. .13 - .13½
Neocinchopen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y..ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, crys., cns..lb. 1.70 - 2.25
Niacin (see Acid, nicotinic).
Nacinamide (see Nicotinamide)
Nickel, carbonate, bbls..lb. .41 - —
Chloride, bbls. ..lb. .21½- —
Cyanide, bots., dms..lb. 1.75 - 2.00
Metal, electro cathodes, cs..lb. .33¾- —
Oxide, black, bbls..lb. .38 - —
Sulphate, bbls., dlvd..lb. .15 - .15½
Nicotinamide, USP, dms., works..kilo. 9.50 - 9.80
Hydrochloride, dms., works..kilo. 9.00 - 9.10
Nicotine sulphate, 40%, dms., dealers, frt. alld. over 50 lbs..lb. .088 - —
tins, dealers..lb. 1.105 - —
Nikethamide, bots, cbys..lb. 5.50 - 6.00
Nitercake, bulk, works..ton. No stocks
Nitrobenzene, dbl. dist., dms., c.l..lb. .09 - .09½
l.c.l. ..lb. .10 - .11
tanks ..lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight..lb. .28 - —
l.c.l., same basis..lb. .29 - .31
Nitrocellulose, ester-soluble, 8-25 cps., bbls., c.l., same basis..lb. .30 - —
l.c.l., same basis..lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis..lb. .32 - —
l.c.l., same basis..lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis..lb. .34 - —
l.c.l., same basis..lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Barrels extra, but returnable.
Nitrogen solution, tanks, works, N..ton. 107.00 - —
Nitrogenous process tankage, bulk, works, ammo. unit-ton. 3.25 - 3.70
Sewage sludge, bulk, works, unit ton. 4.15 + 40-
Nitromethane, dms., c.l., works..lb. .25 - —
Nitropropane, 1, dms., works..lb. .25 - —
2 dms., works..lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, Aleppo, bgs..lb. .50 - —
Chinese, bgs. ..lb. .44 - —
Istrian, bgs. ..lb. .29 - —
Nutmegs, East Indian, bgs., futures, afloat..lb. .58 - .59
West Indian, bgs..lb. .59½- .60
futures ..lb. .58 - .59
Nux vomica, bls..lb. .09 - .10
powdered, bbls., bxs..lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C, industrial grade, dms., c.l., group 3..gal. .19 - —
l.c.l. ..gal. .21 - .60
tanks, group 3..gal. .15½- —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots..lb. 4.45 - 5.00
NF, bots..lb. 4.90 - —
Sweet, dms., cns..lb. .80 - 1.30
Angelica root, bots..lb. 120.00 -250.00
Seed, bots..lb. 110.00 -260.00
Anilin (see A).
Anise, USP, Chinese, dms..lb. .75 - 1.25
Russian, cns..lb. 3.25 - 3.75
Apricot kernel, cns..lb. .65 - .85
Avocado, cns., dms..lb. 1.00 - 1.10
Balassu, tanks..lb. .29 - —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.20 - 2.25
55-60%, cns..lb. 1.20 - 2.35
60-65%, cns..lb. 2.50 - —
West Indian, 50-55%, cns..lb. 1.20 - 1.65
Bergamot, artif., cns..lb. 2.50 - 4.25
Natural, Italian, cns..lb. 4.00 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns..lb .95 - 1.75
rectified, cns..lb. 4.25 - —
Bois de rose, Brazil, cns..lb. 2.90 - 4.75
Mexican (see Oil, lignaloe wood).
Bone dms., works..gal. .65 - .70
Cajeput, tech., dms..lb. 2.15 - 2.45
redistilled, USP IX, cns..lb. 2.60 - 4.50
Calamus, cns..lb. 29.00 -28.00
Camphor, natural, white, cns..lb. .55 - .75
synthetic, dms..lb. .15 - .90
Cananga, native, cns..lb. 4.75 - 9.10
rectified, cns..lb. 6.00 -12.00
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns..lb. 4.75 - 6.50
Cardamom, bots..lb. 24.00 -31.50
Cassia, USP, cns..lb. 2.10 - 3.75
Castor, blown, ret. dms., c.l..lb. .26 - —
l.c.l..lb. .27 - .27½
cold-pressed, USP, ret. dms., c.l..lb. .24 - —
lb. .24 - —
l.c.l..lb. .25 - —
tanks..lb. .23 - —
dehydrated, bodied, dms., c.l..lb. .26¾- —
l.c.l..lb. .27¾- —
tanks..lb. .26 - —
unbodied, dms., c.l..lb. .25¾- —
tanks..lb. .25 - —
hydrog., lgs., c.l., works..lb. .37 - —
l.c.l., same basis..lb. .38 - —
No. 3, tech., ret. dms., c.l..lb. .23½- —
l.c.l..lb. .24½- —
tanks..lb. .22½- —
sulphonated, 50% (45% fat), dms. lb. .12 - .12¼
75% (60-62% fat), dms..lb. .20 - .20½
Cedarleaf, USP, cns., dms..lb. 2.15 - 2.85
Cedarwood, cns. ..lb. .51 - .95
dms. ..lb. .48 - .85
Celery seed, bots..lb. 14.00 -20.00
Chaulmoogra, NF, cns., dms..lb. .50 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots..lb. 33.00 -73.00
Leaf, Ceylon..lb. 1.50 - —
Seychelle ..lb. 1.20 - —
Citronella, Ceylon, cns..lb. .80 - 1.05
Java, cns. ..lb. 1.35 - 1.75
Clove, USP, cns..lb. 1.30 - 1.70
Coconut, crude, tanks, Atlantic ports. lb. .27½- —
Pac. coast..lb. .26½- —
refined, Cocoin type, tax incl., cns., l.c.l..lb. 34½ Nom.
deodorized, tax incl., dms., l.c.l. lb. .37 Nom.
Cod, Newfoundland, dms..lb. .24 - .25
Codliver, USP, dms..gal. 2.60 - 2.70
Coriander, bots. ..lb. 34.00 -38.50
Corn, crude, tanks, works..lb. .35 - —
foots, acid, 95%, tanks, dlvd E. lb. .13 Nom.
raw, 50%, tanks, dlvd. E..lb. .06¾ Nom.
refined, tanks, works..lb. .39 Nom.
Costus, bots. ..oz. 42.60 - —
Cottonseed, crude, tanks, works..lb. .37 - —
foots, acid 95%, tanks, dlvd. E. lb. .13 Nom.
raw, 50%, tanks, dlvd. E..lb. .06¾ Nom.
refined, dms., c.l..lb. .43½- .44
l.c.l..lb. .44 - .45
tankcars ..lb. .42 Nom.
Creosote (see Creosote, coaltar).
Croton, NF, cns..lb 4.75 - 5.50
Cubeb, cns. ..lb. 6.75 -10.00
Crude (see Petroleum, crude).
Cumin, bots. ..lb. 6.25 -11.50
Cypress, bots. ..lb. 11.00 -15.00
Degras (see D).
Dillseed, bots..lb. 8.00 - 8.50
Dillweed, bots..lb. 8.00 - 9.00
Dip (see D).
Erigeron, USP, cns..lb. 2.30 Nom.
Eucalyptus, rect., USP, 80-90%, cns. lb. .90 - 1.45
70-80%, cns..lb. .80 - 1.30
Fennel, sweet, cns. ..lb. 3.05 - 4.50
Fir, Canada, cns..lb. 2.35 - —
Fishliver, concentrating 3 or feed, 6,000 to 12,000 A units, dms.... 1,000,000 units. .22½- —
20,000 to 80,000 A units, dms. 1,000,000 units. .30 - .33
pharmaceutical, 50,000 to 125,000 A units, dms..1,000,000 units. .36 - .37½
pharmaceutical or food, 200,000 A units, dms..1,000,000 units. .42 - —
concentrate, 100,000 A units, dms., 1,000,000 units. .38 - —
200,000 A units, dms. 1,000,000 units. .42 - —



feature attraction—today's lesson

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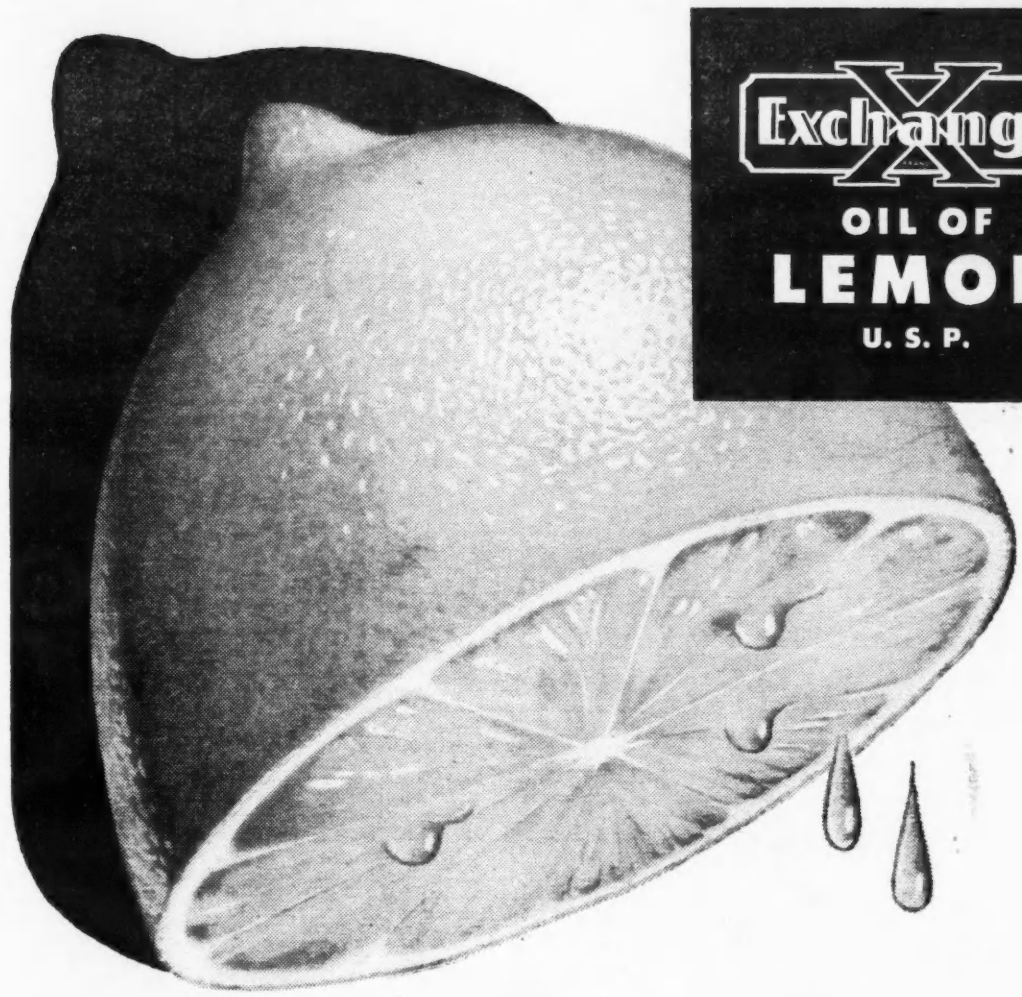
Oil, fishliver, concentrate, 500,000 A units, dms.....1,000,000 units. .46 - —
1,000,000 A units, dms. 1,000,000 units. .49 - .54
Fuel (see Petroleum fuel oil).
Fusel (see F)
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.14.00 -21.00
Bourbon, cns. .....lb. 9.50 -15.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 7.75 -13.00
Grapefruit, Calif., cns.....lb. 1.25 - 2.60
Florida, cns. .....lb. 1.35 - 2.50
Grease, No. 1, dms.....lb. .24 - .24½
extra, winter, strained, dms....lb. .25 - .25½
prime, burning, dms.....lb. .27 - .27½
Guaiacwood, cns. .....lb. 2.05 - 4.15
Hemlock, cns.....lb. 2.25 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots.....lb. 6.00 -12.25
Imported, USP.....lb. 7.50 -12.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. .....lb.20.00 Nom.
Lavandin, cns. .....lb. 1.50 - 3.75
Lavender flower, French, 38-42% ester..lb. 4.25 -10.15
30-32½ ester.....lb. 2.85 - 3.10
Russian, 25-lb. .....lb.11.75 - —
Spike, Spanish, pure, cns.....lb. 1.40 - 2.25
tech., cns. .....lb. 1.40 - 2.78
Lemon, natural, USP, Calif., cns..lb. 3.10 - 3.60
Messina .....lb. 3.10 - 4.35
terpeneless, bots. .....lb.32.00 -50.00
Lemongrass, cns., dms.....lb. 1.35 - 2.30
Linaloe seed, Mexican, cns.....lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose)
Mexican, cns .....lb. 3.60 - 5.20
Lime, distilled, Mexican, cns.....lb. 3.75 - 5.00
West Indian, cns.....lb. 4.50 - 6.00
expressed, West Indian, cns....lb. 7.50 -11.25
terpeneless, bot.....lb.35.00 -53.00
Linseed, raw, dms., c.l.....lb. .2920- —
l.c.l. .....lb. .2910- .3030
tankcars .....lb. .28 - —
tankwagon .....lb. .2830- —
Boiled linseed oil .007 higher than raw
Lubricating, at refinery, ex tax,
Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks..gal. .285 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks..gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks..gal. .18 - .19
145-156 vis., No. 3, color, 10-25 pour, tanks..gal. .285 - —
Penna., W., cylinder, 600-650 flash, tanks..gal. .33 - .38
cylinder, 600-650 steam refd., tanks, gal. .37 - —
neutral, 70° F. No. 3 color, 150 vis., 25 pour, tanks..gal. .37 - .39
200 vis., 25 pour, tanks.gal. .39 - .41
South Texas, neutral, pale 200 vis., 20-4 pour, tanks..gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks..gal. .11- .12½
Mace, dist., cns., dms.....lb. 5.00 - 8.75
Mandarin, Brazilian, cns.....lb. 4.25 - 8.40
Italian, cns.....lb. 8.50 -20.00
Menhaden, crude, tanks, Balto...lb. No prices
refined, alkali, dms., l.c.l.....lb. .2280- —
kettle-bodied, dms., l.c.l.....lb. .2540- —
light-pressed, dms., l.c.l.....lb. .2240- —
tanks .....lb. .21 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns.....lb. 1.45 - 1.70
Seed, exp., dms.....lb. .28 - .29
Neatsfoot, 15°, dms.....lb. .43 - .43½
20°, dms.....lb. .41 - .41½
30°, dms.....lb. .37 - .37½
Neroli, French, bots.....lb.75.00 -200.00
Haitian, bots. .....lb.175.00 -200.00
Nutmeg, dist., cns.....lb 4.75 - 8.75
Ocotea cymbarum, dms.....lb. .52 - 1.15
Officica, liquid, dms., c.l.....lb. .23 Nom.
l.c.l. .....lb. .23½ Nom.
tanks .....lb. .22 Nom.
Oleo, extra, tes., Chicago.....lb. .28 Nom.
Olibanum, bots. .....lb. 4.50 - 6.25
extra fine.....lb. 6.25 -10.50
Olive, denat., dms.....gal. No stocks
edible, denat., dms.....gal. 4.25 Nom.
Spanish, dms., duty paid.....gal. 4.50 - —
Moroccan, dms., same basis...gal. 3.90 - 4.00
foots, dms.....lb. .25 - .25½
tankcars .....lb. .23 - —
sulphonated, 50% (40% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
75% (62% fat), dms., c.l.....lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, natural, dist., cns..lb. .75 - 1.25
expressed, USP, Brazilian, cns. lb. 1.40 - 1.95
Calif., cns.....lb. 1.55 - 2.10
Florida, cns., dms.....lb. 1.10 - 1.85
Messina, coppers.....lb. 3.75 - 5.50
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots. .....lb.55.00 -75.00
Origanum, Spanish, cs.....lb. 2.50 - 3.50
Palm, Niger, dms.....lb. No prices
Palmarosa, cns. .....lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f., N. Y. lb. No prices
Paraffin, pale, 100-110 vis. at 100° F. tanks, works..gal. .10 - —
Patchouli, cns. .....lb. 9.00 -45.00
Peanut, crude, tanks, works.....lb. .35 - —
foots, acid, 95%, tanks, dlvd. E..lb. .12 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, tanks, dlvd. E.....lb. .30½- .40
Pennyroyal, USP, dom., dms., cns. lb. No stocks.
imported, cns .....lb 2.50 - 5.00
Peppermint, natural, dms.....lb 7.50 - 8.75
redist., USP, dms.....lb 8.10 - 9.25
Perilla, crude, dms.....lb No stocks
Petitgrain, Paraguay, cns.....lb. 3.10 - 4.20
Pimento berry, dms.....lb. 4.25 - 6.50
leaf, cns. .....lb 1.65 - 3.25
Pine, dest. dist., dms., incl., c.l., works, South..gal. .66 - .69
l.c.l., works, South.....gal. .61 - .70
ex whse, N.Y.C.....gal. .70 - —
tanks, works, South....gal. .66 - —
steam-dist., dms., ex whse., East.lb. .11 - —
non-ret. dms., incl., l.c.l., ex whse. N.Y.C..gal. .80 - —
Pineneedle, Siberian, cns.....lb. 3.05 - 3.75
Swiss, 25-lb. cans.....lb 4.00 -14.50
Putty, petroleum, heavy, dms...gal. .18 - —
tankwagon .....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon .....gal. .13½- —
Rapeseed, tankcars.....lb. .30 - .30½
Red, single dist. and saponified, dms..lb. .20¾- .21¾
tanks .....lb. .19½- —
double dist., dms.....lb. .23¾- .24¾
tanks .....lb. .22 - —
Rose, natural, coppers.....oz.16.00 -40.50
Rosemary, Spanish, tech., cns., dms. lb. .90 - 1.30
USP, cns., dms.....lb. 1.15 - 1.60
Rosin, 1st rectified, dms.....gal. .66 - —
2d rectified, dms.....gal .68 - —
3d rectified, dms.....gal. .73 - —

Oil, rue, bots.....lb. 3.25 - 5.00
Sage, Dalmatian, cns.....lb. 3.25 - 5.35
Spanish, cns. .....lb. 1.00 - 3.50
Sandalwood, NF, Mysore, cns....lb.13.50 -22.50
Sardine, crude, tanks, Pac. coast..lb. .19 Nom.
refined, alkali, dms., l.c.l.....lb. .2390- —
kettle-bodied, dms., l.c.l.....lb. .2540- —
light-pressed, dms., l.c.l.....lb. .2240- —
tanks .....lb. .21 - —
Sassafras, artificial.....lb. .58 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms.lb. 1.90 - 2.80
Savin, cns.....lb. 5.00 -13.50
Savory, cns.....lb. 3.00 - —
Seal, No. 1, tanks, U. S. ports...lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works.gal. .2185- —
l.c.l., works .....gal. .25 - .29
tanks, works .....gal. .15 - .16
Soybean, crude, tanks, mills.....lb. .28½- .29
foots, acid, 95%, tanks, dlvd. E. lb. .13 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, alkali, dms., c.l.....lb. .3152- —
l.c.l. .....lb. .3357- .3397
tanks .....lb. .3132- —
clarified, dms., c.l.....lb. .3102- —
l.c.l. .....lb. .3187- .3247
tanks .....lb. .2982- —
winterized, ref., tankcars, dlvd, East..lb. .30½ Nom.
Spearmint, dms. .....lb. 7.15 -10.00
Sperm, bleached, 38°, dms.....lb. .2670- —
natural, 45°, dms.....lb. .25½- —
Spruce, cns., dms.....lb. 2.25 - 2.75
Sunflower-seed, imp., refined, tanks, lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, Northern, cns.....lb. 4.50 - 8.00
Southern, cns. .....lb. 2.50 - 3.25

Oil, tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works.....lb. .06¾- —
l.c.l., works .....lb. .07¾- —
tanks, works .....lb. .05¾- —
Tallow, acidless, dms.....lb. .21 - .21¼
Tansy, cns.....lb. 9.75 -14.00
Tar pine, Comm., dms., incl., c.l., works, South..gal. .41 - .43½
l.c.l., works, South.....gal. .43 - .45¾
whse., N.Y.C.....gal. .52½- .54¾
tanks, works, South.....gal. .32 - .34½
rectified, USP, l.c.l., dms., incl., works, South..gal. .60 - —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 3.35
white cns. .....lb. 2.85 - 3.80
technical, white cns.....lb. .85 - 1.00
Tung, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- —
tanks .....lb. .24½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms. lb. .85 - .90
Vetiver, Bourbon, cns.....lb.17.50 -38.00
Haitian .....lb.17.50 -20.00
Whale, ref., natural, dms.....lb. No stocks
Winter-bleached, dms.....lb. No stocks
Wheat germ, dms .....gal.10.00 -13.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco..gal. .51½- —
l.c.l., S.F. .....gal. .53½- .56½
50-65 vis., dms., c.l., N. Y....gal. .45 - —
l.c.l., N. Y.....gal. .48 - .52
65-75 vis., dms., c.l., N. Y....gal. .48 - —
l.c.l., N. Y.....gal. .51 - .55
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F.....gal. .53½- .56½

Oil, white mineral, USP, 80-90 vis., dms., c.l., N. Y..gal. .52 - —
l.c.l., N. Y.....gal. .55 - .59
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l. S. F.....gal. .53½- .56½
100 vis., non-ret. dms., c.l., S. F. gal. .59 - —
l.c.l., S. F.....gal. .61 - .64
125-135 vis., dms., c.l., N. Y..gal. .64 - —
l.c.l., N. Y.....gal. .67 - .71
145 vis., non-ret. dms., c.l., S. F. gal. .68 - —
l.c.l., S. F.....gal. .70 - .76
145-155 vis., dms., c.l., N. Y..gal. .66 - —
l.c.l., N. Y.....gal. .69 - .73
175-185 vis., dms., c.l., N. Y..gal. .69 - —
l.c.l., N. Y.....gal. .72 - .76
180 vis., non-ret. dms., c.l., S. F. gal. .70 - —
l.c.l., S. F.....gal. .72 - .75
200-210 vis., dms., c.l., N. Y..gal. .75 - —
l.c.l., N. Y.....gal. .76 - .80
335-345 vis., dms., c.l., N. Y..gal. .81 - —
l.c.l., N. Y.....gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F.....gal. .85 - .88
Wintergreen, natural, Northern, cns. lb 7.00 -17.25
Southern, cns.....lb. 3.05 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns.....lb. 3.75 - 5.50
Wormwood, cns. .....lb. 8.50 -13.50
Ylang-Ylang, Bourbon, extra, bots.lb. 9.50 -25.00
first, bots. .....lb. 9.75 -15.00
second, bots. .....lb 7.00 -10.00
third, bots .....lb 3.50 - 7.50



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Oleostearin—Petroleum, Fuel Oil

Oleostearin, tres.....lb. .25½- —
Olivine, aggregate, c.l., mines....ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works.....ton.12.00 - —
lumps, bulk, c.l., works.....ton. 7.00 - —
Opium, USP, cns.....lb.19.45 - —
gran., USP, cns.....lb.21.90 - —
powd., USP, cns.....lb 21.90 - —
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies..lb. 1.00 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C.; E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb .20½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Const; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin toner.....lb. 1.15 - —
Molybdate, bbls.....lb. .50 - —
Orthonitroanilin toner, bbls., kgs., works..lb. 1.00 - —
Persian, bbls.....lb. .30 - .45
Orange flowers, bls.....lb. .46 - .48
Orange mineral, American bbls., 5 tons, ship't point, frt. alld....lb. .20½- —
smaller lots, bbls., same basis. lb. .21 - —
Orange peel, bitter, Haitian, bls..lb. 13 - .14
Sweet, bls.....lb. .14 - .16
Oregano, Mexican, bgs.....lb. .16½- 17
Portuguese, bgs.....lb. .19 - .19½
Sicilian, bgs.....lb. 18 - 18½
Orris root, Florentine, bls.....lb. .28 - .20
powdered, bbls., bxs.....lb. .32 - .36
Verona, bls.....lb. .18 - .19
powdered, bbls., bxs.....lb. .22 - .23
Orthoaminobiphenyl dms., c.l., works, lb. .28½- —
l.c.l., same basis.....lb. .29 - —
tanks, same basis.....lb. .27 - —
Orthoamylphenol, dms., l.c.l., works, lb. .42 - —
Orthoanisidin, bbls.....lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more..lb. .60 - —
smaller lots.....lb. .62 - .67
Orthochloroparanitroanilin, dms., works, lb. .81 - —
Orthochlorophenol, dms.....lb. .28 - —
Orthocresol, pure, 30° dms., c.l., works..lb. .33 - .35
l.c.l., works.....lb. .33½- .35½
tech., 29°-30°, dms., c.l., works...lb. .32 - .34½
l.c.l., works.....lb. .32½- .34½
29°-27°, dms, c.l., works.....lb. .28½- .28¾
l.c.l., same basis.....lb. .28¾- .28¾
tanks, same basis.....lb. .27½- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E. of Rockies..lb. .07½- .08½
l.c.l., same basis.....lb. .09½- 10½
tanks, same basis.....lb. .07 - .08
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroanilin, dms.....lb. .50 - .53
Orthonitrochlorobenzene, dms.....lb. .15 - .18
Orthonitrobiphenyl, tech., dms., c.l., works..lb. 15½- —
l.c.l., works.....lb. .16 - —
tanks, works.....lb 14 - —
Orthonitroparachlorophenol, cns.....lb. .75 - —
Orthonitrophenol, dms.....lb. .66 - —
Orthonitrotoluene, dms.....lb. .11 - —
Orthophenetidin, dms.....lb. .90 - —
Orthotolidin, distilled, kgs.....lb. 1.00 - —
Orthotoluidin, dms.....lb. .18 - .20
Osage orange crystals, bbls., l.c.l...lb. .33½- —
extract, liquid, bbls., l.c.l.....lb. .15½- —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 6.40 - —
smaller lots, works.....lb. 6.55 - 7.40

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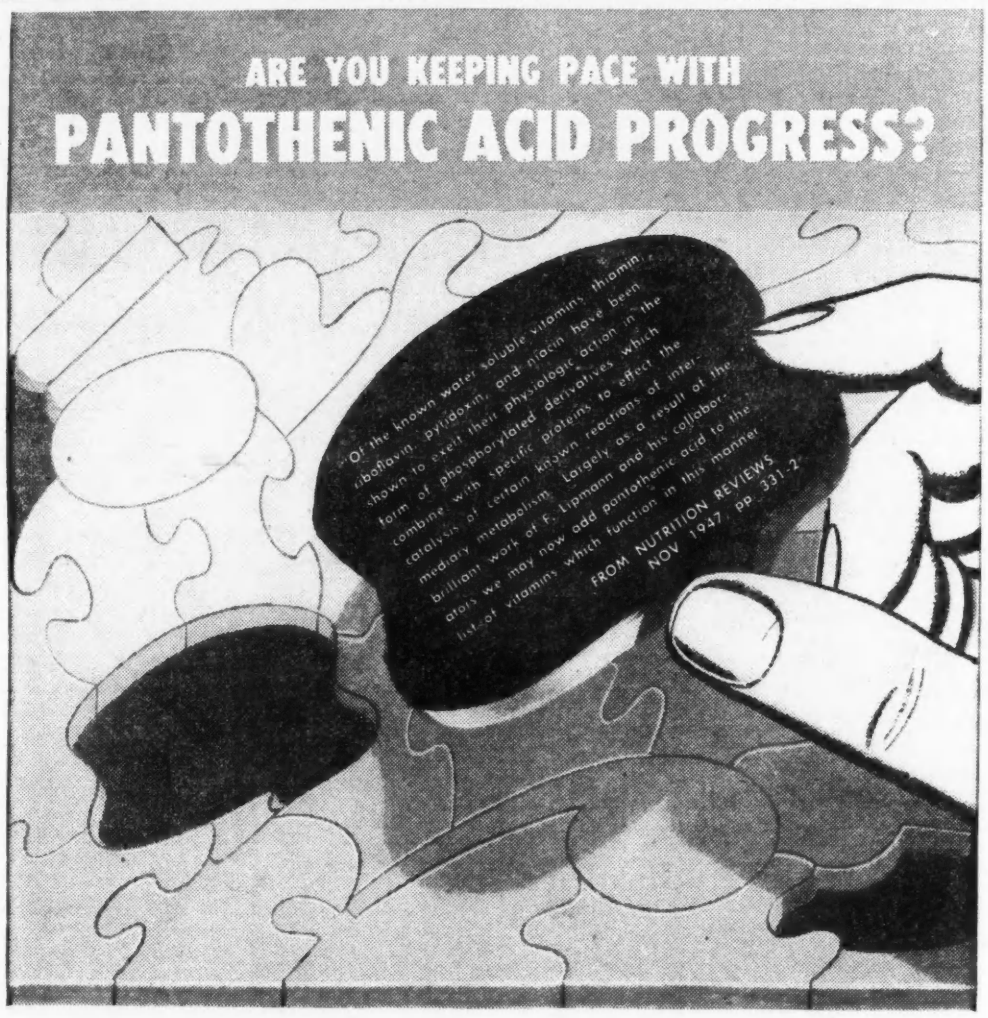
Papain, powd., cs.....lb. 4.00 - 4.75
Papaverine, natural or synthetic, hydrochloride, N.F., cns., 1,000-oz. lots, oz. 6.00 - —
smaller lots.....oz. 6.30 - 6.50
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. .27 - .28
Portuguese, bgs.....lb. .35 - .36
Spanish, bgs.....lb. .39 - .41
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., c.l., works..lb. .27 - —
l.c.l., works.....lb. .28 - .33
Parachloroanilin, dms., frt. alld. E. Miss..lb. .70 - —
Parachloro-orthonitroanilin, dms.....lb. No stocks
Paracresol, 98%, dms., works.....lb. .45 - —
Paracymene, dms., c.l., works.....lb. .1395- —
l.c.l., works.....lb. .1045- —
tanks, works.....lb. .1545- —
Paradibromobenzene, bgs., 500-lb. lots, works..lb. .45 - —
Paradichlorobenzene, dms., c.l., works, lb. .12½- .13½
l.c.l., same basis.....lb. .14 - .15½
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. 0725- —
121-123 ASTM, bbls., c.l., ref'y, lb. .0725- —
126-128 ASTM, bbls., c.l., ref'y, lb. .0775- —
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y..lb. .0750- —
125-127 ASTM, loose, c.l., ref'y. lb. 0780- —
128-130 ASTM, loose, c.l., ref'y. lb. 0805- —
130-132 ASTM, loose, c.l., ref'y. lb. .0820- —
132-134 ASTM, loose, c.l., ref'y. lb. .0845- —
135-137 ASTM, loose, c.l., ref'y. lb. .0910- —
Paraffin prices in bgs., ¾c. per lb. higher; in cns., 1/5c. per lb. higher; 1,000 to 9,999 lbs. in cns., 2.8c. per lb. higher, and under 1,000 lbs. in cns., 3.80c. per lb. higher
Paraformaldehyde, dms., 1,000 lbs., works..lb. 24 - —
smaller lots, works.....lb. 25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works..lb. 12½- .13½
5-10-gal. dms., l.c.l., works...lb. .16½- —
tanks, works.....lb. .11 - —
USP, clys.....lb. .37 - .40
Paranitroanilin, kgs., works.....lb. .43 - —
Paranitrochlorobenzene, kgs., works..lb. .18 - —
Paranitrophenol, kgs., works, frt. equald..lb. .40 - —
Paranitrotoluene, kgs., works.....lb. .36½- —
Paraphenylphenol, bgs., works.....lb. 27 - 28
Paraphenylenediamine, tech., kgs., works..lb. 1.30 - .
Paratertiarybutylphenol, bgs., works, lb. .19 - .20
Paratoluenesulphonamide, bbls., works, lb. .70 - —
Paratoluidin, bbls., works.....lb. .55 - .58
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E. lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls.....lb. .30 - .35
Patchouli leaves, bls.....lb. .38 - .40
Pectin, citrous, bbls.....lb. 1.25 - —
Penicillin G, amorph., calcium, bulk, 1,000,000,000-unit lots..... 100,000 units. .13 - .14
sodium, wholesalers, bots. (100,000 units)..bot. .24 - .25
cryst., sodium, wholesalers (100,000 units)..bot. .24 - .25
(200,000 units).....bot. .432 - —
bulk, 1,000,000,000-unit lots..... 100,000 units. .14½- .19½
procaine, cryst., bulk, 100,000,000-unit lots..160,000 units. .17 - —
in oil, 10 c.c. bots. of 300,000 units, wholesalers..bot. 8.00 -10.00
Pennyroyal leaves, bls.....lb. .25 - .30
Pentachlorophenol, dms., works....lb. 20 - .25
Pentaerythritol, tech., bbls., c.l., works..lb. .32 - —
l.c.l., works.....lb. .34 - .36
Pentane, industrial, tanks, group 3.gal. 10½- .11½
Pepper, black, bgs.....lb. .56 - .57
futures, bgs., nearby.....lb. .56 - .57
distant.....lb. .56 - .57
Red, capsicum, Louisiana longs, bgs., shipment point..lb .18 Nom
Mombasa, bgs.....lb. No stocks
Niger, bgs.....lb. 17½- 18
Brokers, bgs.....lb. .30 - .30½
Sierra Leone, futures.....lb. .23 Nom.
Chillies, Haitian, bgs.....lb. No stocks
Mexican, long.....lb. No stocks
White, bgs.....lb. .69 - .70
Peppermint, USP, dom., bls.....lb. .75 - .80
Imported, bls.....lb. .75 - .80
Perchlorethylene, dms., c.l., zone 1, works, frt. alld..lb. .10¾- —
zone 2, same basis.....lb. .11¼- —
zone 3, same basis.....lb. .11¾- —
zone 4, same basis.....lb. .11¾- —
l.c.l., zone 1, same basis.....lb. .11¾- —
zone 2, same basis.....lb. .12 - —
zone 3, same basis.....lb. .12½- —
zone 4, same basis.....lb. .12 - —
tanks, zone 1, same basis.....lb. .10¼- —
zone 2, same basis.....lb. .10¾- —
zone 3, same basis.....lb. .11¼- —
zone 4, same basis.....lb. .10¾- —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. .80 - .81
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
Pennsylvania refy.....lb. .015 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinary, bbls., c.l.....lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, non-ret. dms., c.l.lb. .01¾- —
Pennsylvania refy.....lb. .04¾- —
l.c.l.....lb. .05¾- —
cream, c.l., dms.....lb. .06¾- —
l.c.l.....lb. .08¾- —
extra, amber, dms., c.l.....lb. .05 - —
l.c.l.....lb. .06¾- —
white, lily, dms., c.l.....lb. .06¾- —
l.c.l.....lb. .08¾- —
USP, snow, dms., c.l.....lb. .07¾- —
Pennsylvania refy.....lb. .08¾- —
l.c.l.....lb. .09¾- —
California, refy.....lb. .11¾- —
soft, dms., c.l.....lb. .06¾- —
Pennsylvania refy.....lb. .07¾- —
l.c.l.....lb. .07¾- —
California refy.....lb. .1075- —
yellow, soft, dms., c.l.....lb. .04¾- —
Pennsylvania refy.....lb. .04¾- —
l.c.l.....lb. .06 - —
California refy.....lb. .09 - —
Petroleum, crude, bulk, at wells, California..bbl. 1.94 - 2.88
Illinois.....bbl. 2.65 - 2.77
Kentucky.....bbl. 2.60 - 2.77
Louisiana-Arkansas.....bbl. 2.14 - 2.75
Montana.....bbl. 2.50 - 2.65
Oklahoma-Kansas.....bbl. 2.23 - 2.65
Pennsylvania, lower field...bbl. 5.00 - —
Upper field.....bbl. 3.10 - 5.00
Texas, East.....bbl. 2.65 - —
Gulf coast.....bbl. 2.38 - 2.65
North, North-Central.....bbl. 2.23 - 2.65
Panhandle.....bbl. 2.23 - 2.65
West.....bbl. 2.10 - 2.52
Wyoming.....bbl. 1.90 - 2.65
Ether, laboratory, 30°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery..bbl. 2.10 - 2.20
light, tanks, refinery.....bbl 2.35 - 2.40
Eastern, tanks, Albany, N.Y..bbl. 3.247 - —
Baltimore, Md.....bbl. 3.03 - 3.17
Boston, Mass.....bbl. 3.055 - 3.315
Charleston, S. C.....bbl. 2.96 - —


ARE YOU KEEPING PACE WITH
PANTOTHENIC ACID PROGRESS?
Of the known water soluble vitamins, thiamin, riboflavin, pyridoxin, and niacin have been shown to exert their physiologic action in the form of phosphorylated derivatives which combine with specific proteins to effect the catalysis of certain known reactions of intermediary metabolism. Largely as a result of the brilliant work of F. Lipmann and his collaborators we may now add pantothenic acid to the list of vitamins which function in this manner.
FROM NUTRITION REVIEWS NOV 1947, pp. 331-2

Thiamin, riboflavin, pyridoxin, niacin and *pantothenic acid* — these 5 B-Vitamins are essential for the effectiveness of your multi-vitamin and B-Complex formulas. And—as more and more is learned about the role of pantothenic acid in nutrition, more and more professional attention will be focused on this *5th factor* in your formulas.

Keep pace with pantothenic acid progress! Write today for your copy of NOPCO'S new technical service folder — "Pantothenic Acid, Vitamin with a Future." This brief, informative folder will help you decide *how much* Calcium Pantothenate to use in your Vitamin Products, for proper effectiveness. Write NOPCO — Special Markets Dept., Harrison, New Jersey. Ask for "Pantothenic Acid — Vitamin with a Future."

NOPCO OFFERS
dl-Calcium Pantothenate-Nopco . . . a white, odorless powder, guaranteed 49% active, priced to permit a 20% saving in cost

ALSO AVAILABLE
- Calcium Pantothenate Dextrorotatory-Nopco . . . the pure, white, odorless, 100% active crystalline salt
- Beta-Alanine . . . important ingredient in pantothenate production

FINE CHEMICALS DIVISION
NOPCO CHEMICAL COMPANY, Harrison, N.J.
Formerly National Oil Products Company

PIONEER PRODUCERS OF CALCIUM PANTOTHENATE, NATURAL A AND D CONCENTRATES, AND VITAB RICE BRAN CONCENTRATE . . . A NATURALLY RICH SOURCE OF PANTOTHENIC ACID.

NOPCO EVOLVED THRU RESEARCH

Petroleum, fuel oil, bunker C (No. 6), eastern refinery, Jacksonville, Fla..bbl. 2.90 - 3.03
New York, N. Y. .....bbl. 3.03 - 3.27
Norfolk, Va. .....bbl. 3.00 - 3.04
Philadelphia, Pa. .....bbl. 3.02 - 3.17
Portland, Me. .....bbl. 3.095 - 3.115
Providence, R. I. .....bbl. 3.045 - 3.085
Savannah, Ga. .....bbl. 2.99 - 3.05
Diesel, tanks, refinery, California, gal. 0785- .096
Pennsylvania .....gal 11 - .125
Furnace, tanks, refinery, Arkansas, No. 2..gal 09125- —
No. 3 .....gal .08875- —
Bayonne, N. J., No. 2.....gal. 094 - —
Group 3, No. 1.....gal. 09125- .09225
No. 1, straw.....gal. 09375- —
No. 2, straw.....gal. .09 - .10
No. 3 .....gal. 09125- —
range .....gal. 09375- .0975
Pennsylvania, No. 1.....gal. .1125- 13
No. 2.....gal 11 - 13
No. 3.....gal .11 - .125
Lacquer diluent, California, 100 l.b.p., 200 e.p., tanks, dlvd. Los Angeles..gal. .118 - —
Portland, Ore. .....gal. .128 - —
San Francisco .....gal. 11½- —
Seattle, Wash .....gal. 128 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Hexane-type, tanks, Bayonne, N.J. gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .1225- .13
toluol-type, tanks, refinery..gal. .1225- .13
Mineral spirits, California, tanks, San Francisco, 170-250 b.r.gal. 123 - —
205-260 b.r.....gal. .123 - —
244-362 b.r.....gal. .128 - —
307-360 b.r.....gal. .113 - —
312-402 b.r.....gal. .113 - —
362-458 b.r.....gal. .113 - —
East coast, tanks, N. J., N. Y., refinery..gal. 14 - —
Group 3, tanks.....gal. .1025- .113
Gulf coast, tanks, refinery...gal. 0875- —
tankwagon, Baltimore .....gal. .175 - —
Boston .....gal. .16 - —
Buffalo .....gal. .165 - —
Camden, N. J.....gal. .15 - —
Chicago .....gal. .194 - —
Detroit .....gal. .211 - —
Kansas City, Mo.....gal. .182 - —
Lancaster, Pa.....gal. .16 - —
Newark .....gal. .15 - —
New York .....gal. .15 - —
Philadelphia .....gal. .15 - —
Pittsburgh .....gal. .175 - —
Providence .....gal. .165 - —
Rochester .....gal. .175 - —
St. Louis.....gal. .189 - —
Syracuse .....gal. .183 - —
Washington, D. C.....gal. .175 - —
Naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N. Y., refinery..gal. 14 - —
Group 3, tanks.....gal. .10625- .12
tankwagons, St. Louis.....gal. .1470- —
tankwagon, Newark .....gal. .15 - —
Chicago .....gal. .14½- —
Detroit .....gal. .15½- —
New York .....gal. .15 - —
Philadelphia .....gal. .15 - —
high-flash 110° F, group 3, refinery, tanks..gal. 13 - .145
high-solvency, tanks, refinery, 200-285 b.r., 37-38° C, mixed anilin pt..gal. .22 - —
25-26° C, m.a.p.....gal. .21 - .26½
270-370 b.r., 78-81° C, m.a.p. gal. 24½- .26
49° C, m.a.p.....gal. .26 - —
26° C, m.a.p.....gal. .21 - .26
300-400 b.r., 28-32° C, m.a.p. gal. 21 - .26½
310-410 b.r., 32° C, m.a.p..gal. .21 - —
36° C, m.a.p.....gal. .21 - .28½
310-440 b.r., 32° C, m.a.p..gal. 26½- —
300-480 b.r., 25° C, m.a.p..gal. .21 - —
V.M.&P., a. refinery, California, 46.5, 254-380 b.r., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½- —
Portland, Ore., Seattle, Wash..gal. .12 - —
61-77, 190-310 b.r., tanks, Los Angeles..gal. .11 - —
San Francisco.....gal. .11½- —
Portland, Seattle.....gal. .12 - —
East coast, N. J., N. Y., tanks.. gal. .15 - —
Group 3, tanks.....gal. .1125- .12
Gulf coast, tanks, New Orleans..gal. .10 - —
tankwagon, Boston.....gal. .175 - —
Chicago .....gal. .204 - —
Detroit .....gal. .221 - —
Milwaukee .....gal. .207 - —
Minneapolis .....gal. .205 - —
Newark .....gal. .165 - —
New York.....gal. .165 - .17
Philadelphia .....gal. .165 - —
Pittsburgh .....gal. .185 - —
St. Louis .....gal. .199 - —
Solvent, rubber, at refinery, California, tanks, San Francisco..gal. .115 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3 tanks.....gal. .11 - .1175
Stoddard (C.S. 8-38), at refinery, California tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks..gal. .14 - —
Group 3, tanks.....gal. .11 - .1175
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston .....gal. .16 - —
Chicago .....gal. .15½- —
Detroit .....gal. .17½- —
Milwaukee .....gal. .16½- —
Minneapolis .....gal. .164 - —
Newark .....gal. .15 - —
New York .....gal. .15 - —
Philadelphia .....gal. .15 - —
Pittsburgh .....gal. .15 - —
St. Louis.....gal. .17 - —
Syracuse .....gal. .17 - —
Petroleum sulphonate, 70% sulphonic content, ret. dms., c.l., works, lb. .15½- —
lb. .15½- —
l.c.l., works .....lb. .15½- —
tanks, works .....lb. .13½- —
60% sulphonic content, ret. dms., c.l., works. lb. .12½- —
l.c.l., works .....lb. .12½- —
tanks, works .....lb. .10¾- —
Phenobarbital, dms., 100 lbs.....lb. 4.00 - 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald..lb. .13½- .14
l.c.l., same basis.....lb. .14¼- .14¾
tanks, same basis.....lb. .12½- .13
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .14¼- .14¾
l.c.l., same basis.....lb. .15 - .15½
tanks, same basis.....lb. .13¾- .13¾
USP, dms., c.l., same basis.....lb. .13 - .13¼
l.c.l., same basis.....lb. .13¾- .14
tanks, same basis.....lb. .118 - .12
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs..lb. .92 - —
smaller lots.....lb. .95 - .96

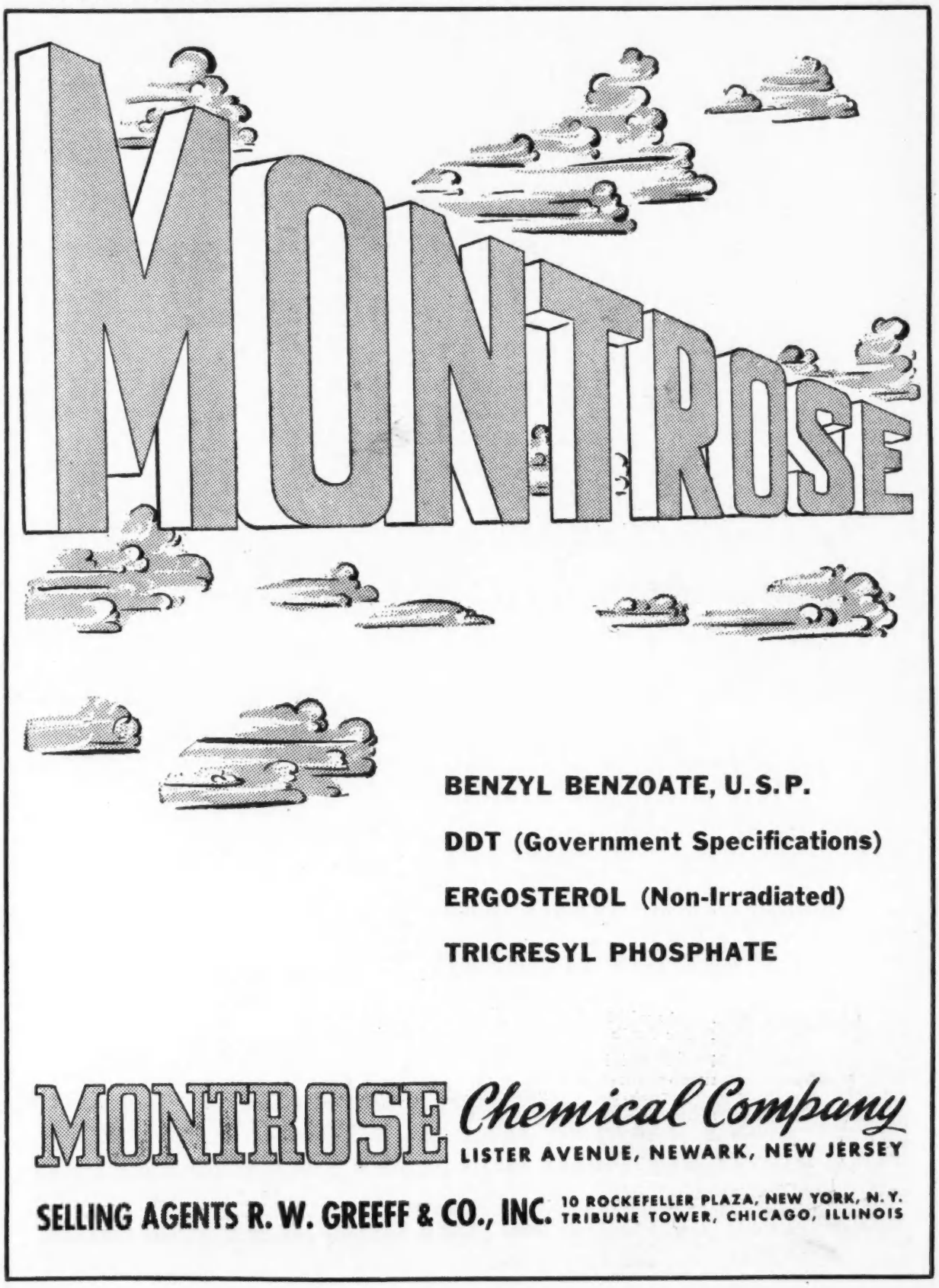
Phenothiazin, NF, fib. dms., ton lots, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.35 - 2.75
pure, bots.....lb. 4.00 - 4.50
Phenyl acetate, dms., 100-lb. lots, works..lb. .50 - —
Phenyldiethanolamine, dms., c.l., wks. lb. .34½- —
l.c.l., works.....lb. .35 - —
Phenylethanolamine, dms., c.l., works, lb. .64½- —
l.c.l., same basis.....lb. .65 - —
Phenylethyl acetate, dms.....lb. 1.75 - 2.70
Phenylethylphenyl acetate, bots...lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots.....lb. 3.00 - 3.07
Hydrochloride, CP, bots., works..lb. 5.00 - 5.07
commercial, kgs., works.....lb. 1.75 - —
Phenylmethylpyrazolone, dms., works, lb. 1.58 - 1.60
Phloroglucinol, CP, fib. dms.....lb. 13.75 - —
tech., fib. dms.....lb. 10.00 - —
Phosgene, 150-lb. cyls., works.....lb. 20½- .27
10-lb cyls., works.....lb. 1.50 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66% b.p.l., bulk, c.l., car at mine..long ton. 4.61 - —
70%-68% b.p.l., c.l., same basis..long ton. 5.01 - —
72%-70% b.p.l., c.l., same basis..long ton. 5.31 - 5.61
75%-74% b.p.l., same basis, long ton. 6.31 - 6.51
77%-76% b.p.l., c.l., same basis..long ton. 7.31 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Phosphate rock, Florida, finely ground, 05.5% b.p.l., basis 80% P_3O_5 minimum..short ton. 5.78 - —
68%, b.p.l, basis 31% P_2O_5 minimum..short ton. 5.93 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 6.93 - —
Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5..long ton 6.00 - —
30-29% P^2O^5.....long ton. 6.75 - —
Phosphorus, red, amorphous, cs.....lb. .33 - .36
tins, export .....lb. .40 - .45
Yellow, cns. .....lb. .30 - .37
dms., c.l. .....lb. .26 - —
Oxychloride, dms., works.....lb. .11 - .14
Pentoxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works...lb. .28 - .29
Trichloride, dms., c.l., works.....lb. .11 - .14
l.c.l., works .....lb. .12 - .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works .....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt equald..lb. .19½- .20
Pacific Coast, dlvd.....lb. .21½- —
l.c.l., same basis.....lb. .20½- .21
Pacific Coast, dlvd.....lb. .23½- —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. .....oz. 3.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 6.50 - 7.50
Nitrate, bots.. vials.....oz. 6.25 - 7.25
Pimento, Jamaica, bgs.....lb. .23½- .24
Pinetar, retort, dms. incl., c.l., works, South..gal. .42½- —
l.c.l., same basis.....gal. .45½- —
whse., N.Y.C.....gal. .54½- —
tanks, works, South.....gal. .34½- —

Petroleum, Fuel Oil—Poppy Seed

Pinkroot, bls.....lb. 1.25 - 2.30
Piperidine, 95%, dms., frt. equald..lb. 1.65 - —
98% same basis.....lb. 1.75 - —
Piperazine hexahydrate, bots.....lb. 9.00 - 9.50
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150° m.p., bbls., c.l., works..ton. 31.00 - —
l.c.l., works .....ton. 34.00 - —
Cottonseed, dms., works.....lb. .10½- .10¾
Hardwood, paper bgs., works....lb. .04 - —
Linseed, dms.....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East...100 lbs. 6.90 - —
Soybean, dms., works.....lb. .10¼- .10½
Plaster of paris (see Gypsum).
Platinum metal, works.....oz. 98.00 -101.00
Podophyllin, dms.....lb. 11.75 -13.50
Pokeroot, bls .....lb. .21 - .23
Polystyrene, plain colors, bgs., 30,000 lbs., works, frt. alld..lb. .33 - —
20,000 lbs., same basis.....lb. .34 - —
smaller lots, same basis....lb. .35 - .45
water-clear, bgs., 30,000 lbs., works, frt. alld..lb. .27 - —
20,000 lbs., same basis.....lb. .28 - —
smaller lots, same basis.....lb. .29 - .35
Plain color polystyrene prices in dms., ½c. per lb. higher.
Pomegranate root bark, bgs.....lb. .75 - .76
Poppy flowers, bls.....lb. .65 - .70
Seed, Danish, bgs., futures.....lb. .24½- .25
Dutch, bgs. .....lb. .23½- .24
Turkish bgs. .....lb. .18 - .18½
futures, bgs.....lb. .16½- .16¾



Potash Caustic—Quinolin

Potash, caustic, low-chloride, flake, 90%, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works.....100 lbs. 10.35 - —
liquid, dms., c.l., works..100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
tanks, works.....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works..... 100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .0785- —
l.c.l., works.....lb. .0860- —
liquid, 45% basis, dms., c.l., works..lb. .03575- —
l.c.l., same basis.....lb. .0395- —
tanks, same basis.....lb. .03½- —
solid, 88-92%, dms., c.l., works.lb. .07½- —
l.c.l.....lb. .08 - —
Potassium abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .28 - .30
Bicarbonate, USP, gran., dms.....lb. .20 - .22
powd., dms.....lb. .22 - .24
Bichromate, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .11⅞
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works..ton. 200.00 - —
ton lots, works.....ton. 218.50 - —
less ton lots, works.....ton. 223.50 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works..lb. .07½- —
l.c.l., same basis.....lb. .08 - —
hydrated, 83-85%, bbls., c.l., works..lb. .06 - —
dms., l.c.l., works.....lb. .06½- —
USP, gran., bbls., dms.....lb. .16 - .18
powd., bbls., dms.....lb. .21 - .23
Potassium chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works. lb. .08½- —
l.c.l., works.....lb. .09¾- —
powd., dms., kgs., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse..lb. .12 - —
Chloride, USP, cryst., bbls.....lb. .26 - .27
gran., bbls.....lb. .20 - .22
powd., bbls.....lb. .29 - .32
Citrate, USP, gran., bbls., dms...lb. .35½- .40½
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, dms., works.....lb. .24 - —
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guaiacol sulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, sticks, cns.....lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodide, dms.....lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines.. unit-ton. .20 - —
25% K_2O, bulk, mines..unit-ton. .21 - —
Metabisulphite, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M..unit ton. 87½- —
Trona, Cal. .....unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms..lb. .28 - .34
Permanganate, tech., kegs, works. lb. .21½- .22¼
USP, dms., works.....lb. .25½- .24
Persulphate, dms., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .21 - —
Phosphate, tetrabasic, bbls., works. lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works..ton. 200.00 - —
l.c.l.....100 lbs. 15.25 - —
solution, 22° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs 5.50 - —
32° Be, ret. dms., c.l., works..... 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Silicofluoride, dbs., works.....lb. .09 - —
Sulphate, NF, cryst., bbls.....lb. .31 - .33
powd., bbls.....lb. .14½- 15
tech., dom., bulk, basis 90-95% K_2O, min. 90%, works....ton. 30.00 - —
Sulphocyanide, cryst., NF., dms..lb. .70 - .78
Thiocyanate (see sulphocyanide).
Titanate, ctns., c.l., works.....lb. .12 - —
5 tons, works.....lb. .12½- —
2,000 lbs. or less, works.....lb. .12½- .13
Xanthate, dms., c.l.....lb. .12 - —

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PLASKON
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COATING RESINS

Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, ex vessel, ports..ton. 26.00 - —
Potassium-sodium ferricyanide, kgs., works..lb. .43 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium - titanium oxalate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls.....lb. .28 - .33
Berries, bgs.....lb. .20 Nom.
Prince's pine herb, bls.....lb. .55 - .60
Procaine hydrochloride, cns., 200-lb. lots..lb. 4.75 - —
smaller lots.....lb. 5.00 - 5.75
Propane, commercial grade, tanks, group 3..gal. .067 - —
Propionaldehyde, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Propyl aldehyde (see Propionaldehyde).
Propyl acetate, dms., c.l., works....lb. .19½- —
l.c.l., works.....lb. .20½- —
tanks, works.....lb. .18 - —
tankwagons, works.....lb. .18½- —
Propylene dichloride, dms., c.l.....lb. .08½- —
l.c.l.....lb. .09½- —
smaller containers.....lb. .12½- —
tanks.....lb. .07 - —
Oxide, dms., c.l., frt. alld. E.....lb. .20½- —
l.c.l., frt. alld. E.....lb. .21½- —
tanks, frt. equald.....lb. .18½- —
Propyleneglycol, N.F., dms., c.l., frt. alld. E..lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15½- —
Propylthiouracil, bots, works.....kilo 50.00 - —
Psyllium seed (see Fleaseed).
Pulsatilla herb, bls. .....lb. .60 - .65
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- .04
Chicago .....lb. .04½- —
smaller lots.....lb. .03¾- .04¼
fine, bgs., ton lots.....lb. .03¾- —
smaller lots .....lb. .03¾- .04
Italian, silk-screen, fine, bgs., ton lots..lb. .04 - —
coarse, bgs., ton.....lb. .05½- —
sun dried, fine, bgs., ton lots...lb. .03 - —
coarse, bgs., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed bgs. .....lb. .27 - .29
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%: for aerosol bombs, dms., works.lb. 7.00 - 7.25
liquid (20 to 1), basis 2 grams pyrethrins per 100cc, odorless base, dms., works..gal 5.50 - —
regular base, dms., works..gal 5.40 - —
(50 to 1), base 3 grams pyrethrins, per 100cc, odorless base, bbls., works..gal 8.15 - —
regular base, dms., works.gal 8.10 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. 24½- 25
powder, 1.3% pyrethrins, bbls., works..lb. 35½- .42
Pyridin, denaturing, ret. dms., works. frt. equald..gal 2.49 - 2.52
refd., 2° non-ret. dms., c.l., same basis..lb. .69 - .70
l.c.l., same basis.....lb. .69½- .70½
ret. dms., l.c.l., same basis....lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots. gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton. 8.60 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines .ton. 11.00 11.50
230 mesh, bulk, c.l., mines..ton. 12.00 - —
325 mesh, bulk, c.l., mines....ton 14.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
Insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .14 - —
gray, cs., works.....lb. .14 - —
mixed, mottled, cs., works...lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works.lb. .17 - —
transparent, colorless, cs., works. lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, opaque, amber, cs., works. lb. .15 - —
mixed colors, cs., works.....lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, ols.....lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l..lb. .17½- —
liq., 35% tannin, bbls., works.lb. .09½- —
tanks, same basis.....lb. .09 - —
solid, 64% tannin, bgs., c.l...lb. .14 - —
powd., 70% tannin, bgs., c.l..lb. .18 - —
ordinary, solid, 65% tannin, bgs., c.l., ex dock, duty extra..lb. .1275- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root bgs....lb. .12 - .18
Quercitron crystals, bbls., l.c.l.... lb. .33½- —
Extract, liquid, bbls., l.c.l.....lb. .14½- —
solid, bxs.....lb. .28 - —
Quicksilver, flasks (76 lbs.) net..flask 76.00 -78.00
Quince seed, bgs.....lb. 1.20 - 1.70
Quinidine, NF, V. cryst., cns.....oz. 1.30 - —
powd., precip., cns.....oz. 1.22 Nom.
Sulphate, USP, cns.....oz. .95 - —
Quinine, NF, cns., 100 ozs.....oz. 1.00 - —
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. 1.30 - —
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs....oz. .73 - —
Citrate, cns., 100 ozs.....oz. No stocks
Dihydrobromide, bots., 50 ozs....oz. 1.00 Nom.
Dihydrochloride, USP.....oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs.oz. 1.05 Nom.
Ferrocyanide, cns., 100 ozs.....oz. No stocks
Formate, cns., 100 ozs.....oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs.oz. .91 - —
Hydriodide, cns., 100 ozs.....oz. No stocks
Hypophosphite, cns., 100 ozs....oz. 1.40 - —
Phosphate, NF, cns., 100 ozs.....oz. 1.10 - —
Salicylate, NF, cns., 100 ozs.....oz. .95 - —
Sulphate, USP, crs., 100 ozs.....oz. .80½- —
Sulphocarbolate, cns., 100 ozs.....oz. No stocks
Tannate, USP X, cns., 100 ozs.....oz. .60 Nom.
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF, 1V, 100 ozs.....oz. 1.25 - —
Quinine-urea hydrochloride, NF, cns.oz. .97 - —
Quinolin, dms., c.l., works.....lb. 44½- 45

R

R salt, dry, bbls.....lb. .69 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 - 2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd Pacific coast prices equaled with Chicago, dlvd Denver, Pueblo, Salt Lake City, Wichita

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.25 - —
light shade bbls. same basis lb 1.10 - —
maroon, bbls., same basis.....lb. 1.35 - 1.45
medium shade, bbls., same basis lb 1.20 - —
medium-light shade, bbls., same basis. lb. 1.15 - —
orange-red, bbls., same basis. lb. 1.05 - —
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton & St. Louis, N. Y.. lb. .11½- .11¾
Iron oxide, synth., bbls.....lb. .11½- .11¾
75%-85% copperas oxide, bgs., c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J. lb .05¼- .09¼
Lake C toner, alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works.....lb. .80 - —
Litholrubin toner, alizarin lake, bbls., works. lb 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb .40 - .43
toner, bbls., works.....lb 1.25 - 1.50
Cadmium, deep, bbls., works...lb 1.20 - —
regular, bbls., works .....lb. 1.10 - —
Iron oxide, bgs., l.c.l., works...lb. .04 - —
MNPT toner, kgs., works.....lb. 3.25 - —
Maroons in smaller pkgs., 5c per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs. works. lb 2.00 - —
smaller lots, works.....lb. 2.02 - —
Metallic, bbls., works.....lb. 02½- 02¾
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. 06¾- .07
Paja toner, bbls.....lb. .85 - .88
chlorinated, kgs .....lb. .95 - 1.05
concentrated, alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works. lb. .20 - .25
Purple lake, kgs. .....lb. 1.35 - —
Rose lake, alizarin, bbls., works..lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock..lb. 05½- 05¾
l.c.l., ex dock.....lb. 05¾- .06
ex whse., New York.....lb. 06¾- —
grade 2, bbls., c.l., ex dock....lb. 05½- 05½
l.c.l., ex dock.....lb. 05¾- 05¾
ex whse., New York.....lb. 06¾- —
Toluidin toner, alizarin lake, kgs., works..lb. 1.35 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald.....lb. .24½- .25
Venetian, 15%, bgs., works.....lb. .0350- —
20%, bgs., works.....lb. .0390- —
25%, bgs., works.....lb. .0410- —
30%, bgs., works.....lb. .0440- —
35%, bgs., works.....lb. .0465- —
40%, bgs., works.....lb .0490- —
Vermilion, Amer., bbls. .....lb .22¾- .48
Quicksilver, ctns.....lb. 2.27 - —
Red precipitate, NF, powd., fib. dms.lb. 2.17 - 2.19
Red saunders, wood, grd., bbls.....lb. .35 - —
Resorcinol, tech., dms., works.....lb. .68 - —
USP, cryst., dms., works.....lb 1.80 - —
powd., dms., works.....lb 2.00 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb root, whole, cs.....lb .45 - .50
powd., bbls. .....lb. .50 - .55
Riboflavin, USP, bots.....kilo.125.00 - —
95%, feeding grade, bots.....kilo.118.75 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. 31½- —
smaller lots.....lb. .32 - —
Rose flowers, pale, bls. .....lb. .23 - .24
Rosemary flowers, bls. .....lb 1.55 - 1.65
Leaves, French, bls.....lb. 13 Nom.
Portuguese, bls. .....lb. .08 - .08½
Spanish, bls. .....lb. 13 - .13½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works....100 lbs. 5.50 - 5.60
FF, dms., c.l., works.....100 lbs. 6.60 - 6.70
G, H, I, dms., c.l., works..100 lbs. 8.70 - 8.95
K, dms., c.l., works.....100 lbs. 8.35 - 8.95
M, dms., c.l., works.....100 lbs. 8.40 - 8.95
N, dms., c.l., works.....100 lbs. 8.75 - 9.05
WG, dms., c.l., works.....100 lbs. 8.80 - 9.30
WW, dms., c.l., works.....100 lbs. 8.90 - 9.35
X, dms., c.l., works.....100 lbs. 9.40 - —
Rotenone, cryst, bbls., works.....lb.20.60 -24.00
Extract, liq., dms., works..per unit. 1.50 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines .....ton.43.00 - —
Rue herb, bls. .....lb. .45 - .48
Rutin, bots. .....gram. .23 - .29

S

Sabadilla seed, powd., bbls.....lb. .52 - .56
activated ground with lime, bbls.lb. .36 - .38
Saccharin, gran., soluble, 1,000 lbs..lb. 1.50 - —
smaller lots .....lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots..lb. 1.55 - —
smaller lots .....lb. 1.65 - 1.85
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls.....lb. 1.00 - 1.10
Spanish, USP, tins.....lb.30.00 -31.00
boxes .....lb 25.00 -26.00
Safrol, dms. .....lb. .90 - 1.45
Sage, Cyprus, bls.....lb. .12 - .12½
Dalmatian, bls.....lb. .23½- .24
Greek, fancy, bls.....lb. .13½- .14
Spanish, bls. .....lb. .13½- .14
Syrian, bgs.....lb. .21 Nom.
Sago flour, bgs.....lb. .08½- .08½
Salicin, bots. .....lb. No stocks
ctns. .....lb. No stocks
Saligenin, dms., works.....lb.20.00 -25.00
Salol, gran., bbls., kgs. .....lb. 1.60 - —
flb. dms. .....lb. 1.02 - 1.03
Powdered salol, 10c. higher

Salt, rock, bgs., c.l.....ton.18.10 - —
l.c.l. .....ton.22.40 -23.60
Table, vacuum, common, fine, bgs., c.l., ton.19.60 -21.00
l.c.l. .....ton.24.40 -26.40
Saltcake, dom., bulk, works.....ton.25.00 -28.00
Chrome (see Chrome cake).
Saltpeter, cryst., bbls., 10 tons 100 lbs.13.15 - —
smaller lots .....100 lbs.13.40 -13.65
gran., bbls., 20 tons.....100 lbs. 8.75 - —
smaller lots .....100 lbs. 9.75 -10.25
powd., bbls., 20 tons.....100 lbs 9.75 - —
smaller lots .....100 lbs.10.75 -11.25
Saltpeter in bags is 25c. per 100 lbs. less than in barrels; in kegs it is $1 more.
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, cryst., powd., cns.....kilo.175.00 -185.00
Saponin, No. 1, cns. .....lb 2.45 - —
Sarsaparilla root, dom., bls. .....lb. .45 - .50
Honduras, bls.....lb. .50 - .55
Mexican, bls. .....lb. .35 - .40
Sassafras bark, ord., bls. .....lb. .45 - .50
select, bls. .....lb. .60 - .65
Savory, French, bls.....lb. .20 - 20½
Spanish, bls. .....lb. .14 - 14½
Saw palmetto berries, bgs.....lb. .24 - .25
Scammony resin, lump, cns. .....lb. 2.10 - 2.25
powd., cns. .....lb. 2.20 - 2.30
Root, bgs. .....lb. .13 - .14
Schaeffer's salt, bgs.....lb. .60 - .62
Seidlitz mixture, bbls., 5,000 lbs...lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs. .....lb. .28¼- —
smaller lots .....lb. .28¾- —
Selenium, powd., cns., 10-lb lots...lb. 2.10 - —
cs., 1,000-lb lots.....lb 2.00 - —
Senega root, bls.....lb. 2.00 - 2.25
Senna leaf, Alex., half-leaf, bls....lb. .28 - .27
siftings, bgs. .....lb. .25 - .24
Tinnevelly, No. 1, bls.....lb. .26 - .24
No. 2, bls.....lb. .18 - .20
No. 3, bls .....lb. .15 - .16
Pods, bls. .....lb .14 - .15
Serpentaria root, bls.....lb. 2.80 - 3.00
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .64½- —
bbls., 1,500-lb. lots.....lb. .65 - —
kgs., 1,500-lb. lots.....lb. .67 - —
refined, bgs., 1,500-lb. lots...lb. .74½- —
bbls., 1,500-lb. lots.....lb. .75 - —
kgs., 1,500-lb. lots.....lb. .77 - —
bonedry shellac sales of less than 1,500 lbs., 1c. per lb higher for all packages.
Lemon, No. 1, bgs.....lb. .69 - .70
No. 2, bgs.....lb. .67 - .68
Superfine, bgs., 10 bgs.....lb. .64 - .65
TN, bgs., 10 bgs.....lb. .61 - .62
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph., dry-grd. 325 mesh, bgs., c.l., ill., works..ton.21.00 -40.00
l.c.l., works.....ton.29.00 - —
wet grd., 320 mesh, bgs., c.l. works..ton.21.00 -40.00
l.c.l., works.....ton.29.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.25.00 - —
140 mesh, bgs., c.l., works....ton.15.00 - —
l.c.l., works.....ton.20.00 - —
Tetrachloride, tech., dms., c.l., works..lb. 15½- —
l.c.l., works .....lb. .16½- .27
Silver bullion, ingots, cs. .....oz. .74%- —
Cyanide, flb. dms., 2,500-oz lots..oz. 62½- —
1,000-oz. lots .....oz. .62½- —
500-oz. lots .....oz. .62¾- —
250-oz lots .....oz. 63 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .48 - —
1,000-oz. lots.....oz. .49¼- —
500-oz. lots.....oz. .49½- —
250-oz. lots.....oz. .49¾- —
USP granular silver nitrate, 2c. per oz. higher.
Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
strong, bots. dms., 1,000-oz. lots. oz. .40 - —
Simarubra bark, bls. .....lb. .85 - .86
Skullcap herb, Eastern, bls. .....lb. .85 Nom.
Western, bls .....lb. .30 - .35
Skunk cabbage root, bls.....lb. .44 - .50
Slate flour, bgs., c.l., works.....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs. .....lb. .33 - .40
Smalt, black, ctns. .....lb. .11 - —
Blue, ctns .....lb. .16 - —
Snakeroot, Canada, bls. .....lb. .63 - .65
Soapbark, bls.....lb. .19 - .20
crushed, bls., bbls.....lb. .26 - .27
cut, foreign, bbls.....lb. .31 - .32
powd., bbls.....lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.38 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.78 - —
2 .....100 lbs. 2.88 - —
3 .....100 lbs. 3.28 - —
4 .....100 lbs. 3.83 - —

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Industry-Wise SOLVAY Technical Service

TRADE MARK REG. U. S. PAT. OFF.

FOR 67 YEARS, the aim of SOLVAY has always been to produce the finest in alkalies and associated chemicals.

BUT WE FEEL that another very important part of our job is to see that our customers get the utmost out of these products . . . to make sure they use them properly for best results. We are anxious to offer our customers expert knowledge and advice on the uses and applications of our products in their particular business . . . and to lend a helping hand when some production difficulty occurs.

WHENEVER you're stumped by a production riddle involving alkalies and associated chemicals, call on SOLVAY TECHNICAL SERVICE with this assurance—SOLVAY Technical Service men are field specialists who have spent their lifetimes in individual industries! Write us about your problems in strict confidence . . . there's no obligation on your part.

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Soda Ash, Dense—Sodium Sulphide

Soda ash, dense, 58%, bbls., c.l., works.
100 lbs. 1.78 - —
l.c.l., stock points, zone 1.....
100 lbs. 3.18 - —
2 .....100 lbs. 3.28 - —
3 .....100 lbs. 3.63 - —
4 .....100 lbs. 4.23 - —
bulk, c.l., works.....100 lbs. 1.18 - —
light, 58%, paper bgs., c.l., works.
100 lbs. 1.30 - —
l.c.l., stock points, zone 1.....
100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., stock points, zone 1.....
100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.55 - —
4 .....100 lbs. 4.15 - —
bulk, c.l., works.....100 lbs. 1.10 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex-warehouse. Sales zones are: (1) All States E. of Miss R. and N. of south bound of Ky., 31°, Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn; Mo. (except St. Louis), Neb., E of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd. zone 1....100 lbs. 4.60 - —
zone 2 .....100 lbs. 4.75 - —
zone 3 .....100 lbs. 5.10 - —
zone 4 .....100 lbs 5.70 - —
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.15 - 2.25
70%, sellers' tanks, works, dry basis. 100 lbs. 2.35 - —
50%, rayon type, tanks, works, dry basis..100 lbs. 2.25 - —
solid, 76%, dms., c.l., works.100 lbs. 2.85 - —
l.c.l., dlvd. zone 1.....100 lbs. 4.20 - —
zone 2 .....100 lbs 4.35 - —
zone 3 .....100 lbs. 4.70 - —
zone 4 .....100 lbs. 5.30 - —

Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs; for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash

Sal. bgs., c.l., works.....100 lbs. 1.30 - —
Sodium acetate, anhyd., dms., works.
lb. .09½- .11
NF, cryst., bbls., works.....lb. .07½- .08½
Alginate, refined, water soluble, bbls., works..lb. .79 - —
semi refined, bbls, works.....lb. .42 - —
white, powd., dms, works.....lb. 1.50 - 1.60
Alkylbenzene-sulphate, dms., works.
lb. 13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.100 lbs. 7.00 - —
l.c.l., works.....100 lbs 7.50 - 8.00

Sodium antimoniate, bbls., c.l., dlvd.lb. .29 - —
l.c.l., dlvd. .....lb. .30 - —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
l.c.l., works .....lb. .13½- .13¾
Arsenite, gray, dealers, dms., c.l., works..lb. .11¾- —
l.c.l., works .....lb. .12½- .12¾
Benzoate, tech., bbls., 2 tons....lb. .39 - —
smaller lots.....lb. .40 - .41
USP, o.ns., 2 tons.....lb. .46 - —
smaller lots.....lb. 47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.75 - —
powd., bgs., c.l., works...100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.35 - —
Bichromate, bgs., c.l., works....lb. .09 - —
l.c.l., works.....lb .09¼- .09¾
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .11½- .12¼
l.c.l., same basis.....lb. .11¾- .12½
Bisulphate, bulk, c.l., works..100 lbs. 1.50 - —
dms., c.l., works.....100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
Bisulphite, powd., bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., works .....100 lbs. 4.00 - —
solut, 35°, bbls., c.l., works.100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, bots., dms .....lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., dms., c.l., works..lb. .07¼- —
l.c.l., works .....lb. .07½- .08
powd., kgs., works.....lb. .08¼- —
Chloride (see Salt).

Sodium chlorite, tech., dms., works.lb. .75 - —
Chromate, bbls., dms., c.l., works..lb. .10¾- —
l.c.l., works.....lb. .10¾- .11
Citrate, USP VIII, bbls.....lb. .20 - —
dms.....lb. .21 - .25
USP XIII, gran., bbls.....lb. .26 - —
dms .....lb. .27 - .31
Sodium citrate, USP XIII, powd., prices ½c higher.
Cyanide, 96-98%, dms.....lb. 14½- 15
bbls., c.l., works.....100 lbs. 1.70 - —
Diacetate, 33-35% acidity, bbls., works..lb. .10½- 11¼
anhydrous dms., works .....lb. .11¾- 12
Fluoride, white, 99%, bbls., c.l., works..lb. 09¾- —
l.c.l., works.....lb. .10 - —
95%, bbls., c.l., works.....lb. .10 - —
l.c.l., works.....lb. 10¼- —
Formate, bgs., c.l., works....100 lbs. 6.55 - —
l.c.l. .....100 lbs 6.80 - 8.15
Glutamate, monobasic, kgs.....lb 1.55 - 1.60
Glycerophosphate, NF, flake, bbls. powder, bbls. .....lb 1.65 - 1.80
solution, 75%, cbys.....lb 1.00 - 1.10
50%, cbys. .....lb 82 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld..lb. .18½- .19
l.c.l. frt alld .....lb 19 - .20
Hydroxide, tech (see Soda, caustic).
USP, sticks, dms .....lb 24 - .29
Hypophosphite, NF, cns. .....lb. .35 - .40
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald..100 lbs 2.75 - —
l.c.l., same basis .....100 lbs 3.15 - —
pea cryst. bgs., works, frt. equald..100 lbs 4.30 - 5.20
Soda, hyposulphite, crystals, in bbls., 40c higher; pea crystals, dms., 50c higher
USP (see Sodium thiosulphate)
Iodide, USP, dms., jars.....lb. 2.72 - 2.83
Mandelate, dms. .....lb 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton 90.50 - —
l.c.l., works .....ton 108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher
Metanilate, bgs .....lb 48 - —
Metasilicate, anhyd., bbls., c.l., works. 100 lbs 4.00 - —
gran., bgs., c.l., works.....100 lbs 3.25 - —
l.c.l .....100 lbs 4.35 - 4.60
bbls., c.l., works.....100 lbs 3.65 - —
l.c.l .....100 lbs 4.75 - 5.00
Molybdate, anhyd., works.....lb. 50 - —
Monohydrate bgs., c.l., works 100 lbs 2.00 - —
l.c.l. works .....100 lbs 2.45 - —
Naphthionate, bbls.....lb. 60 - —
Nitrate, crude, dms., bgs., c.l., works. ton 40.50 - —
bulk, c.l., works .....ton 37.00 - —
Imp., 100-lb bgs c.l. All Gulf Pac. whse..ton 48.00 - —
bulk, c.l. same basis .....ton 44.50 - —
Nitrite, 99%, bbls., c.l., works, frt. equld..lb. .09¾- —
West coast ports .....100 lbs 8.00 - 8.05
l.c.l., dlvd. .....100 lbs 8.90 -11.00
Orthosilicate, anhyd., dms., c.l. works..100 lbs 5.25 - —
l.c.l., same basis.....100 lbs 5.55 - 7.1
hydrated, flake, bbls., c.l. works. 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works..... lb. 09 - .10
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs. c.l. same basis..lb. .16 - .16¾
l.c.l., same basis.....lb. .17 - —
kgs., l.c.l., works, frt. equald lb. .19 - —
Perborate, USP, tech., bbls., c.l., works..lb. .17¾- —
l.c.l., works .....lb. .18¼- —
Peroxide, dms. c.l., dlvd. E. of Miss lb. .14 - —
smaller lots, same basis lb .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.50 - 7.80
l.c.l., works .....100 lbs 7.25 - 8.20
cryst., bgs., c.l., works..100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - 3.90
NF, dried, powd., dms., works.lb .16 - .16½
monobasic, anhyd., bgs., c.l., works. 100 lbs. 7.50 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 9.00 - —
l.c.l., same basis .....100 lbs. 9.50 - —
cryst., bgs., c.l. works, frt. equald..100 lbs 3.45 - —
l.c.l., same basis.....100 lbs. 3.95 - —
kgs., c.l., same basis..... 100 lbs. 4.25 - —
l.c.l., same basis.....100 lbs. 4.45 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate, dibasic).
Phosphoaluminate, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¾- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.11.25 -13.00
l.c.l., same basis.....100 lbs.11.75 -13.50
ferric, dms., 10,000 lbs., works, lb. .22 - —
smaller lots works ... lb 22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.50 - 6.65
l.c.l .....100 lbs 7.00 - 7.15
Ricinoleate, tech., bbls.....lb. No stocks
Salicylate, dms.....lb. .57 - .60
Sesquicarbonate, bgs., c.l., works... 100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 2.25 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.35 - —
zone 2.....100 lbs 3.50 - —
zone 3.....100 lbs. 3.75 - —
zone 4.....100 lbs. 4.15 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash
Sesquisilicate, bbls., c.l., works..... 100 lbs. 4.15 - —
l.c.l., dlvd. .....100 lbs. 5.40 - 5.65
Silicate, 40°, turbid., dms., c.l., works..100 lbs. 1.00 - —
l.c.l., works .....100 lbs. 1.25 - 1.35
tanks, works.....ton.15.00 - —
42°, turbid, dms., c.l., works..... 100 lbs. 1.65 - —
l.c.l., works .....100 lbs. 1.90 - 2.00
tanks, works .....ton.29.00 - —
Silicofluoride, bbls., c.l., works....lb. .05 - —
l.c.l., works.....lb. .05½- .06
Stannate, dms., works, frt. alld. E..lb. .527 - .592
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF VIII, dried, powd., bbls. lb. .16 - .16½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .15 - .15½
Sulphanilate, bbls., works.....lb. .21¾- —
Sulphide, cryst., bbls., c.l., works. 100 lbs. 3.75 - —
l.c.l., dlvd.....100 lbs. 4.15 - —
flake, bbls., c.l., works....100 lbs. 4.50 - 5.50
l.c.l., works.....100 lbs. 5.00 - 5.75
lump, bbls., c.l., works...100 lbs. 4.00 - 5.50
l.c.l., dlvd.....100 lbs. 4.50 - 5.75

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DRYMET is commercial anhydrous sodium metasilicate. DRYMET contains no water—combined or uncombined. It is the most highly concentrated form of metasilicate on the market.

DRYMET yields more chemical value per pound than other detergent silicates—and it is priced to yield more chemical value per dollar.

DRYMET is readily soluble in all practical concentrations at all practical temperatures.

DRYMET has a total alkalinity as Na_2O of not less than 51%.

DRYMET yields a pH of 11.95 in a 0.1% solution. DRYMET will improve the detergent efficiency of practically every alkaline solution.

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HEAVY CHEMICALS DEPARTMENT

7014 EUCLID AVENUE • CLEVELAND 3, OHIO

Sodium sulphite, anhyd., tech., powd., bbls., c.l., frt. equald..100 lbs. 2.50 - 2.75
l.c.l., same basis.....100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works...100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 3.00 - —
bbls., c.l., works.....100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.40 - —
powd., bbls., c.l., works....100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP 4X, gran., bbls., dms..lb. .33 - .34
powd., bbls.....lb. .36 - .37
Sulphocyanide, CP, dms.....lb. .55 - .65
tech., dms., works.....lb .30 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Sulphydrate, flake, 70-72%, dms., c.l., lb. .05 - —
liquid, 45%, tanks, works.....lb. .04½- —
Thiocyanate (see Sodium sulphocyanide).
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works.....lb. .10¼- —
2,000 lbs. and less, works.....lb. .10½- .18½
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07¼- —
l.c.l. .....lb. .07¾- —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. .10 - .12
Tungstate, tech., bgs.....lb. 1.40 - 1.45
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld..lb. .66 - —
smaller quantities, same basis.lb. .70 - —
Sodium-carboxymethyl cellulose, low and med. vis., ctns., 2,000 lbs. same basis..lb. .62 - —
smaller quantities, same basis.lb. .66 - —
Sodium-cinchophen; bots., dms., works. lb 5.00 - 5.10
Sodium-formaldehyde sulfoxylate, dlvd., dms..lb. .22 - .26
Sodium-sulpha drugs (see Sulpha name).
Solvent naphtha, coaltar, dms., works. gal. .27 - .30
high-flash, dms., works..... gal. .27 - .30
Petroleum, 100° F. flash, tanks, Baytown, Tex..gal. .27 - —
150°F. flash, tanks, same basis. gal. .27 - —
Sorbitol, com'l, dms., c.l., works..lb. .25½- —
l.c.l., works.....lb. .26 - —
crystalline, dms., works.....lb. .50 - —
solution, aqueous, dms., c.l., works.. lb. .1855- —
ton lots, works.....lb. .196 - —
Soybean protein, chemically isolated, 40,000 lbs., works..lb. .26½- —
20,000 lbs., works.....lb .26½- —
smaller lots, works.....lb. .27 - .30½
mechanically refined, bgs., 40,000 lbs., works..lb. .061 - —
20,000 lbs., works.....lb. .063 - —
smaller lots, works.....lb. .065 - —
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .43 - .46
Spruce extract, liq., reg., tanks, works. lb. .01¾- —
powd., super, bgs., c.l., works..lb. .05½- —
Squaw vine, leaves, bls.....lb. .45 - .50
Squill, red, fortified, powd., bbls., boxs. lb. 1.60 - —
White, bls. .....lb. .08 - .10
powd., bbls., bxs.....lb. .14 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .12 - .15
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.01 - —
Chicago .....100 lbs. 6.42 - —
l.c.l. .....100 lbs. 7.16 - —
powd., paper bgs., c.l.....100 lbs. 7.12 - —
Chicago .....100 lbs. 6.53 - —
l.c.l. .....100 lbs. 7.27 - —
Prices for corn starch in cotton bags, 17c. higher
Potato, dom., bgs., c.l.....lb. .08½- —
l.c.l. .....lb. .09½- .09¾
imported, bgs., c.l.....lb. .09 - —
Rice bgs., c.l.....lb. No stocks.
Sweetpotato, bgs., c.l.....lb. No stocks
Wheat, bgs.....lb. .0705- .0750
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .83 - .85
Stoneroot, bls.....lb. .07½- .08
Storax, USP, cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .19 - .20
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals.....gram. 2.20 - —
wholesalers .....gram. 1.76 - —
Strontium bromide, NF, cns., dms. cs. .62 - —
Carbonate, 90%, bbls.....lb. .14 - .16
98% bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bgs., frt. equald.....lb. .43½- .44
Iodide, jars, 25 lbs.....lb. 3.20 - 3.20
Lactate, dms.....lb. 1.30 - 1.33
Nitrate, bbls., c.l., works.....lb. .07½- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent dms., works.lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs....lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works....lb. .15 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .55 - —
tech., bbls., l.c.l., works.....lb. .50 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works.....lb. 4.00 - —
Sulphadiazin, USP, dms., works...lb. 9.00 - —
Sulphadiazin - sodium, USP, dms., works..lb.10.50 - —
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works, lb 9.00 - —
Sulphamazerin - sodium, USP, dms., works..lb.10.50 - —
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, NF, powd., bots., tins, works..lb. 7.00 - 7.30
Sulphapyridin - sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphathiazole - sodium, USP, dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs.....lb. 6.75 - 6.85
Sulphonmethane, NF, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.18.00 - —
vessel, f.o.b. Gulf ports, export... long ton.22.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.90 - —
l.c.l., works .....100 lbs. 2.50 - 2.85
precipitated, USP, bbls., kgs....lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.70 - —
l.c.l., works.....100 lbs. 4.05 - 6.10
heavy, bgs., c.l., works..100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.85 - 5.90

Sulphur, refined, flowers, USP, bgs., c.l..100 lbs. 3.95 - —
l.c.l., works.....100 lbs. 4.30 - 6.35
Refined sulphur flowers in bbls., 75c. higher,
rock, bgs., c.l., works.....100 lbs. 2.15 - 2.75
l.c.l., works.....100 lbs. 2.75 - 3.50
roll, bgs., c.l., works.....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.75 - 5.80
rubbermakers' bgs., c.l., works, 100 lbs. 1.50 - 2.00
Sulphur chloride, 55-gal. dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .04¼- —
10-gal. dms., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi-unit cars, works.....lb. .0655- —
tanks, works .....lb. .045 - .0535
refrigeration, cyls. l.c.l., works. lb. .16 - —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac bark, 28%, grd., bgs., ex dock. ton.85.00 - —
Extract, No. 1, bbls.....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls. .....lb. .14½- —
Leaves 30%, bgs., ex dock.....ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. bulv., bulk, Balto.unit-ton. .76 - —
Florida .....unit-ton. .56 - .59
other points.....unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $18.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher

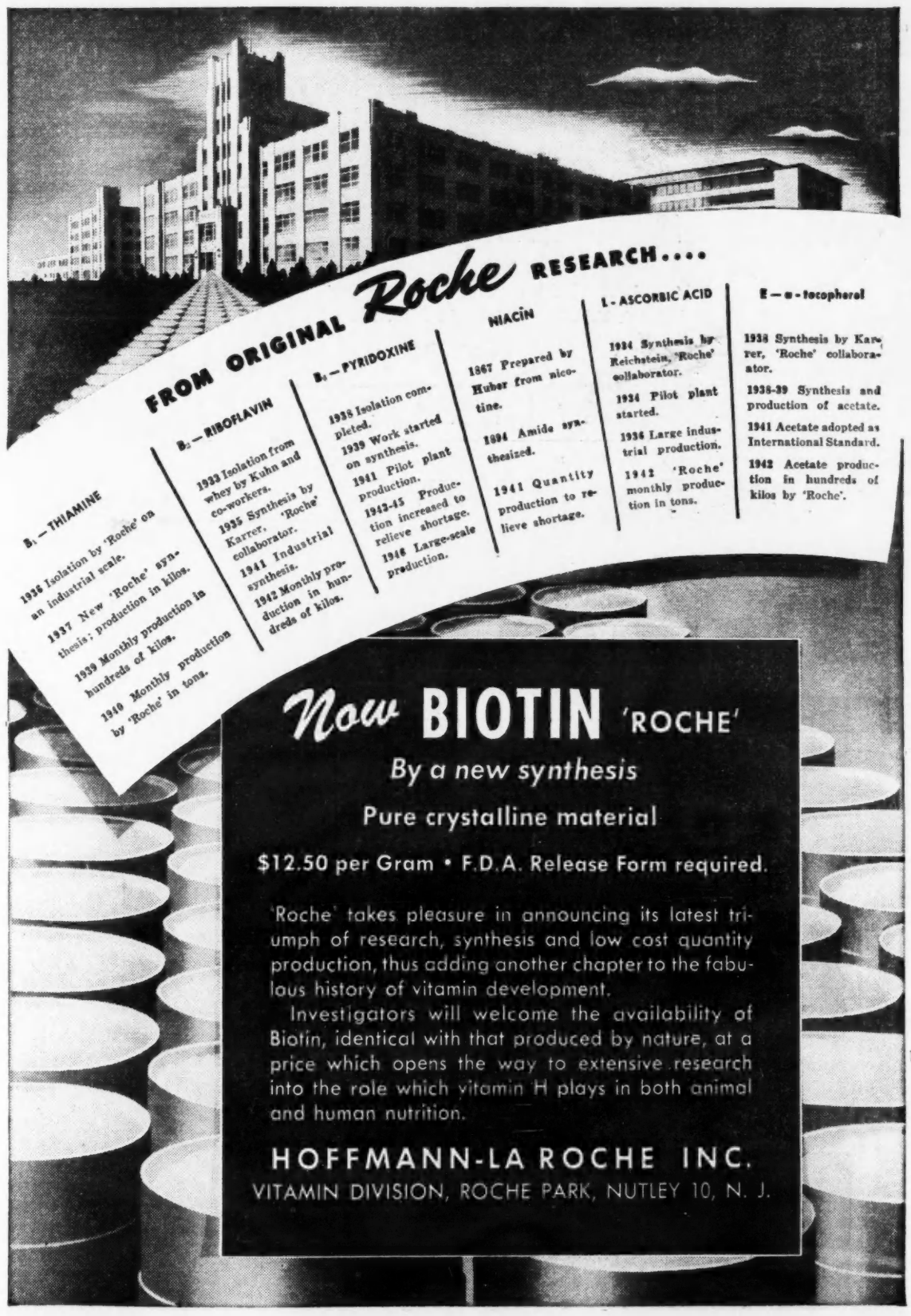
Superphosphate, triple, 48% or more, a.p.a., pulv., bulk..unit-ton. .71 - —
South Carolina.....unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D.C., 71c. per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.10 - 1.25

T

Talc, dom., ordinary, grd., bgs., c.l., New York works..ton.21.00 - —
l.c.l., works.....ton.22.50 -24.50
Calif., bgs., c.l., works.....ton.22.00 -30.00
Vermont, bgs., c.l., works..ton.14.00 - —
l.c.l., works .....ton.17.50 - —
fibrous, New York, off-color, ground, bgs., c.l., works.....ton.24.00 - —
l.c.l. .....ton.26.50 -28.00
98.95-99.95%, grd., bgs., c.l., works..ton.21.00 - —
l.c.l., works.....ton.24.50 - —
98-99.5%, grd., bgs., c.l., works. ton.23.00 -28.00
l.c.l., works.....ton.27.00 -32.00
imp., Canada, grd., bgs., c.l.....ton.35.00 -45.00
Tallow, inedible, extra, loose.....lb. .14¾- —
fancy, loose.....lb. .15 - —
special, loose.....lb. .14½- —
sulphonated, 25%, dms.....lb. .08½- .09
50%, dms. .....lb. .12½- .13
Tamarinds, bbls. .....lb. .10 - .12
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 6.50 - —
Chicago .....unit-ton. 6.50 - —

Sodium Sulphite—Terpinglycol Ether

Tankage, animal, fertilizer, 9% ammon., 10% b.p.i., Chicago..... unit-ton. No stocks
10-11% ammon., 15% b.p.i., bulk bulk, unit-ton. No stocks.
Tansy leaves, bls. .....lb. .15 - .16
Tapioca flour, high grade, bgs.....lb. .10¼- .10¾
medium grades, bgs.....lb. .09¼- .09½
Java, bgs. .....lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works..gal. .53 - —
l.c.l., works .....gal. .56 - —
tanks, works .....gal. .47 - —
25-28%, dms., c.l., works.....gal. .66 - —
l.c.l., works .....gal. .69 - —
tanks, works .....gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Pinetar)
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices
powd., bgs., c.l., same basis..long ton.225.00 Nom.
Tarragon herb, bgs.....lb. .23½- .24
Leaves, bgs.....lb. 1.10 - 1.25
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
USP, powd., bbls., dms., kgs...lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l....lb. .24½- —
l.c.l. .....lb. .25 - .25¼
USP, cryst., bbls., dms.....lb. .95 - .97
powd., bbls., dms.....lb. 1.00 - 1.03
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
prime, dms.....lb. .67 - .82
extra, dms. .....lb. .77 - .97
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —


FROM ORIGINAL Roche RESEARCH....
B₂ — RIBOFLAVIN
1933 Isolation from whey by Kuhn and co-workers.
1935 Synthesis by Karrer, 'Roche' collaborator.
1941 Industrial synthesis.
1942 Monthly production in hundreds of kilos.
B₁ — THIAMINE
1936 Isolation by 'Roche' on an industrial scale.
1937 New 'Roche' synthesis; production in kilos.
1939 Monthly production in hundreds of kilos.
1940 Monthly production by 'Roche' in tons.
B₆ — PYRIDOXINE
1938 Isolation completed.
1939 Work started on synthesis.
1941 Pilot plant production.
1942-45 Production increased to relieve shortage.
1946 Large-scale production.
NIACIN
1867 Prepared by Huber from nicotine.
1894 Amide synthesized.
1941 Quantity production to relieve shortage.
L - ASCORBIC ACID
1934 Synthesis by Reichstein, 'Roche' collaborator.
1934 Pilot plant started.
1936 Large industrial production.
1942 'Roche' monthly production in tons.
E — α - tocopherol
1938 Synthesis by Karrer, 'Roche' collaborator.
1938-39 Synthesis and production of acetate.
1941 Acetate adopted as International Standard.
1942 Acetate production in hundreds of kilos by 'Roche'.
Now BIOTIN 'ROCHE'
By a new synthesis
Pure crystalline material
$12.50 per Gram • F.D.A. Release Form required.
'Roche' takes pleasure in announcing its latest triumph of research, synthesis and low cost quantity production, thus adding another chapter to the fabulous history of vitamin development.
Investigators will welcome the availability of Biotin, identical with that produced by nature, at a price which opens the way to extensive research into the role which vitamin H plays in both animal and human nutrition.
HOFFMANN-LA ROCHE INC.
VITAMIN DIVISION, ROCHE PARK, NUTLEY 10, N. J.

Terpinyl Acetate—Vitamins

Terpinyl acetate, extra, cns., dms. lb. .65 - 1.10
prime, cns., dms. lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works. lb. .08 - .08½
Tetrachloroethylene, USP, 55 gal. dms., works. lb. .20 - .21½
smaller dms., works. lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .68 - —
Tetraethylenepentamine, dms., c.l., works. lb. .51½- —
l.c.l., works. lb. .52 - —
tanks lb. .50 - —
Tetraethyl pyrophosphate, dms., c.l., works. lb. .80 - —
l.c.l., works lb. .90 - 1.25
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Thallium sulphate, 99%, bots., dlvd. lb 15.00 -17.50
Theobromine, bots., kgs. lb. 6.00 - 6.25
Thiamine hydrochloride, dms., 100 grams. kilo. 160.00 - —
Thiocarbanilide, dms. lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 6.00
Thiourea, tech., dms., works. lb. .40 - —
Thorium nitrate, cs., works. lb 3.50 - —
Thyme, French, bgs. lb. .25 - .32
futures, bgs. lb. .19 - .20
Spanish, bls. lb. .11 - .11½
Thymol, USP, kgs. lb 3.65 - 3.75
Iodide, NF, dms. lb 3.55 - 4.25
Timbo root (see Cube root).

Tin chloride (stannic), anhyd., dms. lb. .89 - .90
Crystals, bgs., bbls., works lb. .67 - —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. .92 - .94
Tetrachloride, anhyd., dms., works, lb. .54½- .55
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .17½- —
l.c.l., dlvd. lb. .18 - .18½
plain, bgs., c.l., dlvd. lb. .17½- —
l.c.l., dlvd. lb. .18 - .18½
rutile, natural, granular, bgs., c.l., works. lb. 06¼- —
l.c.l., works. lb. .06½- —
milled, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. lb. .19¼- —
l.c.l., dlvd. E. lb. .20 - 20½
Hydride, cns., works lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .08 - —
Calcium base, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd. lb. .07¼- —
Calcium-rutile base, bgs., c.l., dlvd. lb. 06¾- —
l.c.l., dlvd. lb. .07¼- —
Magnesium base, bgs., c.l., dlvd. lb. No prices
l.c.l., dlvd. lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c. higher

Tin tetrachloride, CP, 55-gal. dms. lb. .54½- .55
smaller, pkgs., works lb. .05 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns. lb. 3.25 - 3.50
Toluene (see Toluol).
Tolidin base (see Orthotolidin)
Toluol (toluene), coaltar, 2° indust., ret. dms., works. gal. 35 - 37
tanks, E. of Omaha, frt. alld. gal. 28 - 30
W. of Minnequa, Colo., works. gal. 28 - 30
1° nitration, ret. dms., works. gal. 35 - 37
tanks, E. of Omaha, frt. alld. gal. 28 - 30
W. of Minnequa, Colo., works. gal. 28 - 30

Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (2¾c.); Detroit, 30c. (1 8/10c.); La., 30c. (3¼c.); N. C. & E. Tenn., (3½c.); W. Tenn., 30c. (3¾c.), and W. Va. 30c 30c. (3c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c.; Pa., 30c. (2¾c.); S. C., 30c. (6c.); Va., 30c. (2¾c.).

Tonga, 50% bark and vine, bls. lb. .85 - .95
Tonka beans, Angostura, cks. lb 1.75 - 1.80
Brazilian, cs. lb. .85 - .90
Surinam, cs. lb. .85 - .90
Totaquine, USP, 100-oz. lots. oz. .52 - —
Triacetin, dms., works. lb. .40½- —
Tributyl citrate, dms. lb. .41 - .50
smaller pkgs. lb. .52 - .56
Phosphate, dms., l.c.l., frt. alld., E. of Rockies. lb. .66 - —
smaller pkgs. lb. .71 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works lb. .81 - —
tanks, same basis lb. 07½- 09¼

Trichlorobenzene, dms., c.l., works, frt. alld. or equald. lb. 08½- .11
l.c.l., same basis lb. 09½- 12
Trichloroethane, dms., c.l., works. lb. .12 - —
tanks, works lb. .11 - —
l.c.l., works lb. .13 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1. lb. .09½- .10
Zone 2 lb. 10 - —
Zone 3 lb. 10½- —
Zone 4 lb. 10½- —

Trichloroethylene dm., c.l. prices ½c. higher; l.c.l. 1½c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar, dms., c.l., frt. equald. lb. 37½- —
l.c.l. dlvd. lb. .38 - —
tanks, dlvd. lb. 36½- —
petroleum, dms., c.l., dlvd. lb. .38½- —
l.c.l. dlvd. lb. .39 - —
tanks, dlvd. lb. 37½- —
Triethanolamine, dms., c.l., frt. alld., E. lb. .21½- —
l.c.l., same basis lb. 22½- —
smaller containers lb. 25½- —
tanks, same basis lb. .20 - —
Triethyl citrate, dms. lb. .34 - .42
smaller pkgs. lb. .45 - —
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylamine, dms. c.l. works, basis 100% lb. .31 - —
l.c.l. works, basis 100% lb. .36 - —
tanks, works, basis 100% lb. .30 - —
Triethyleneglycol, dms. c.l., frt. alld., E. lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works, lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100% lb. 29½- 39½
25%-40%, dms. c.l. works, basis 100% lb. 29 - —
l.c.l., works basis 100% lb. 29½- —
tanks, works, basis 100% lb. 25 - —
Triphenyl phosphate, bbls., c.l., frt. equald. lb. 29 - —
l.c.l., frt. alld. lb. 30 - —
Triphenylguanidine, bbls., works lb. .75 - —
Trinoli, air-floated, bgs. c.l., works. lb. 0175- —
double-grd., c.l., works lb. 016 - —
single-grd., bgs., c.l., works lb 015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tuba root (see Cube root)
Tungsten metal, powd., 99.9%, dms., works. lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bls., Apr.-May lb. .27 - 27½
Haitian, futures, bls. lb. 12 - 12½
Jamaica, futures, bls. lb. 15½- 16
Madras, bgs., May lb. .22 - 22½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Sulphate, ret. dms., East gal. 65 - —
tanks, East gal. 40 - —
Wood, dest.-distl., dms. incl., c.l., works, South gal. .40 - 53
l.c.l. same basis gal. 41 - 55
N. Y. whse. gal. 55 - —
steam-dist., dms. incl., c.l., works. gal. 58 - —
l.c.l. ex whse, NYC gal. 63 - 75
tanks, works gal. 35 - 50

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., works, ton 75.00 - —
l.c.l., works ton.78.50 - —
fertilizer compound, 42% N, bulk, c.l., 50 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east. ton.81.00 - —
40 tons, frt. alld. Colo., Mont., Wyo. and west. ton.90.00 - —
paper bgs., c.l., 50 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dakota, Tex., and east. ton.85.00 - —
40 tons, frt. alld. Colo., Mont., Wyo. and west. ton.94.00 - —
Urea-ammonia liquor, A and B, N basis, Belle, W. Va. ton.100.00 - —
C and D, same basis ton.98.50 - —
Uva ursi leaves, bls. lb. 12 - 13

V

Valerian root, Belgian, NF, bls lb. .35 - .37
Indian, bls. lb. .30 - .32
Valonia beards, bgs., ex dock. ton.84.00 -85.00
Cups, bgs., ex dock ton.57.00 -58.00
Extract, powd., bgs., ex dock, duty extra. lb. .11 - .11½
Vanadium pentoxide, CP, bgs., cns., works. lb. 7.00 - —
tech., dms., works lb. 1.20 - —
Vanilla beans, Bourbon, tins. lb. 7.50 - 8.00
Mexican, cuts, tins. lb. 6.25 - 6.75
whole, tins lb. 6.75 - 7.75
Tahiti, tins. lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.50 - —
smaller lots lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs. lb. 3.00 - —
smaller lots. lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots. lb. 3.00 - —
smaller lots, tins. lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16½- .17½
5-gal. cns., works. lb. .30 - —
tanks, works. lb. .15 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret, dms., works. lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units. mill units. .05 - —
100 million USP units. mill units. .07 - —
Vitamin A (see Oils, codliver, fishliver).
A concentrate, dms., works. mill. units. .36 - .40
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic)
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotin, and Nicotinamide).
H (see Biotin).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha).

Petrolite Crown Quality

MICRO-CRYSTALLINE WAXES

HIGH QUALITY WAXES WITH SUPERIOR SPECIFICATIONS AND A TREMENDOUS PRICE ADVANTAGE

MICRO-CRYSTALLINE WAXES

Crown Wax	Melting Point °F.	Pen. with 100 Grams	Color N.P.A.
500	185/190	10 Maximum	2½ Maximum
1035	195/200	2 Maximum	2 to 2½

EMULSIFIABLE WAXES

Crown Wax	Melting Point °F.	Pen. with 100 Grams	Color N.P.A.	Acid Number	Sap. Number
23	180/185	6 Maximum	4½ to 6	20 to 25	55 to 65
36	180/185	8 Maximum	5½ to 8	30 to 35	85 to 95

Complete information, prices and samples available on request.

HIGH MELTING POINT
EXTREME HARDNESS
HIGH GLOSS
LOW OIL CONTENT
CHEMICALLY INERT
HIGH SOLVENT RETENTION
GOOD COMPATIBILITY
ECONOMY

PETROLITE Crown Quality WAX
PETROLITE CORPORATION, LTD. WAX DIVISION
30 Broad St., New York 4
REFINERY: Box 390, Kilgore, Texas

W

Wahoo root bark, bls.	lb.	2.20	- 2.30
Tree bark, bls.	lb.	.65	- .75
Wattle bark, fair average, or E. Afr., bgs., ex dock	ton.	83.00	-85.00
merchantable, bgs., ex dock	ton.	80.00	-81.00
Wattle bark extract, liquid, 35% tannin, bbls., works	lb.	.08½	- —
tanks, works	lc.	08	- —
solid, E. Afr., 61% tannin, ex dock, duty extra	lb.	.09¾	- —
S. Afr., 62% tannin, ex dock, duty extra	lb	09½	- —
Wax, amorpnous (see Wax, micro crystalline).			
Bayberry, bgs.	lb.	52	- 53
Bees, bleached, USP, white, bricks, cs.	lb.	70	- 73
slabs, bgs.	lb.	69	- 71
crude, African, bgs.	lb.	58	- 59
Western hemisphere, bgs.	lb.	58	- 59
refined, yellow, bricks, cs.	lb	61	- 63
slabs, bgs.	lb	60	- 62
Candelilla, crude, bgs.	lb.	62	- 63
refined, bgs.	lb	65	- 66
Powdered candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.			
Carnauba, chalky, No. 3, bgs., ton lots.	lb.	.63	- .65
North Country, No. 2, ton lots.	lb.	.71	- .72
No. 3, bgs., ton lots.	lb.	.66	- .68
refined, bgs., ton lots.	lb.	.71	- 72
yellow, No. 1, bgs., ton lots.	lb.	1.07	- 1.09
No. 2	lb.	1.05	- 1.07
Powdered carnauba price differentials same as powdered candelilla.			
Ceresin, dom., 132°-136° m.p., bgs.	lb.	16	- 16½
138°-140° m.p., bgs.	lb.	18	- 18½
158°-162° m.p., bgs.	lb	22	- 23
Japan, bgs.	lb.	No stocks.	
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 50 tons yearly contract, group 3 works.	lb.	16	- —
smaller lots, same basis.	lb.	16	- 17½
170°-175° m.p., ASTM, black ctns., 30 tons, same basis.	lb.	14½	- —
smaller lots, same basis.	lb	14½	- 15½
White, ctns., 30 tons, same basis.	lb	27	- —
smaller lots, same basis.	lb	27	- 29
190°-195° m.p., ASTM amber, ctns., 30 tons, same basis.	lb.	.21	- —
smaller lots, same basis.	lb.	21	- 22
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis.	lb.	19½	- —
smaller ctns., same basis.	lb.	19½	- 20½
white, ctns., 30 tons, same basis.	lb.	34	- —
smaller lots same basis.	lb	34	- 35
Montan, crude, bgs.	lb.	45	- 47
Ouricury, crude, bgs., ton lots.	lb.	.66	- .67
refined, bgs., ton lots.	lb.	.70	- .71
Ozokerite, fabricated, black, 180-190 m.p., bgs.	lb.	36	- 38
182-185 m.p., bgs.	lb.	31	- 33
171-172 m.p., bgs.	lb.	27	- 29
white, 178-183 m.p., bgs.	lb	33½	- 34½
170-172 m.p., bgs.	lb	28½	- 29¾
yellow, 180-190 m.p., bgs.	lb.	48	- 50
182-185 m.p., bgs.	lb	43	- 45
178-183 m.p., bgs.	lb.	26½	- 27½
170-172 m.p., bgs.	lb	23¾	- 39
Spermaceti, blocks, cs.	lb.	43	- 45
cake, cs.	lb.	44	- 46
White lead (see Lead, white).			
White precipitate, powd., dms., 50 lbs	lb.	2.00	- —
White pine bark, rossed, bls.	lb.	.16	- .20
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, St. Louis, works	ton.	16.00	- —
40 tons, N. Y. whse.	ton.	18.00	- —
smaller lots, St. Louis, works	ton.	12.50	- —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l.	ton.	14.50	-27.50
99% 200 mesh, bgs., c.l.	ton	No prices	
90% 200 mesh, bgs., c.l.	ton	No prices	
water-floated, extra gilders, bgs., c.l.	ton.	14.50	- —
gilders, bgs., c.l.	ton.	No prices	
putty grade, bgs., c.l.	ton.	13.00	- —
surface treated, bgs., c.l. Ohio works.	ton	30.00	- —
Paris white, bgs., c.l.	ton.	25.00	-31.00
l.c.l.	ton.	25.00	-29.00
Precipitated, bgs., c.l.	ton.	18.00	-20.00
l.c.l.	ton.	22.00	-25.00
Wild cherry bark, thick, bls.	lb	06	- 07
thin, natural, bgs.	lb.	17	- 18
rossed green, bls.	lb.	24	- 26
Wild indigo root, bls.	lb.	30	- 31
Witch hazel leaves, bls.	lb.	14	- 15
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., works, East.	ton.	32.00	- —
l.c.l., same basis.	ton.	40.00	- —
60 mesh, bulk, c.l., same basis.	ton.	37.00	- —
l.c.l., same basis.	ton	45.00	- —
80-100 mesh, bulk, c.l., same basis.	ton.	40.00	-45.00
l.c.l., same basis.	ton.	50.00	-55.00
Woodflour in bgs. extra, returnable.			
Woolfat (see Lanolin).			
Wormseed, American, bgs.	lb.	17	- 18
Levant, bgs.	lb.	4.25	- 4.30
Wormwood, bls.	lb.	40	- 45

X

Xanthorrhiza root, bls.	lb.	28	- .30
Xylene (see Xylol).			
Xylenol, 5°-7° ret. dms., c.l., works, frt. equald.	lb.	21¾	- —
l.c.l., same basis.	lb.	22¼	- —
tanks, same basis.	lb.	21	- —
45°, dms., l.c.l., frt. equald.	lb.	24	- —
fractions, ret. dms., c.l., same basis.	gal.	1.66	- —
l.c.l., same basis.	gal.	1.69	- —
tanks, same basis.	gal.	1.60	- —
Xylidins, mixed, dms.	lb	42¼	- —
Xylol (xylene), coaltar, indust., ret. dms., works.	gal.	37	- 39
tanks, E of Omaha, frt. alld.	gal.	28	- 30
W. of Minnequa, Colo., works.	gal.	28	- 30
10°, ret. dms., works.	gal.	36	- 38
tanks, E. of Omaha, frt. alld.	gal.	31	- 33
6°, ret. dms., works.	gal.	41	- 43
tanks, E. of Omaha, frt. alld.	gal.	38	- 40
3°, ret. dms., works.	gal.	45	- 47
tanks, E. of Omaha, frt. alld.	gal.	40	- 42

Prices on 3 to 10-degree xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (6½c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (2¾c.); Detroit, 30c. (1 8/10c.); La., 30c. (3¾c.); N. C. & E. Tenn., 30c. (5c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c.; Pa., 30c. (2¾c.); S. C., 30c. (6c.); Va., 30c. (3¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (2¾c.).

Y

Yara yara, cryst., bots., cns.	lb.	2.25	- —
Yeast, brewer's dry, 50 B units, per gram, dms.	lb.	35	- —
90 B units, per gram, dms.	lb.	45	- —
200 B units, per gram, dms.	lb.	50	- —
300 B units, per gram, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.32	- —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.			
Benzidin, bbls., divd.	lb.	1.00	- —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies.	lb.	2.40	- —
Lithopone, all shades, bbls., frt. alld. E. of Rockies.	lb.	.85	- —
Cadmium yellows, Los Angeles and San Francisco, ex whse. 1c. per lb. higher.			
Chrome, CP, bbls., divd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.29½	- —
Divd. Ala., Fla., Ga., La., (Shreveport), 1½c. higher; Miss., N. C. S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago			
Hansa, bbls., same basis as chrome.	lb.	1.60	- —
Primrose, bbls., same basis.	lb.	1.90	- —
Iron oxide, natural, bgs., c.l., works.	lb.	.01¾	- .02¾
l.c.l., works.	lb.	.01¾	- .03¾
French type, bgs., c.l.	lb.	.04½	- —
l.c.l.	lb.	.04¾	- —
Peruvian type, bgs., c.l.	lb.	.0185	- .0210
synth., bgs., c.l., works.	lb.	.09	- —
l.c.l., works.	lb	09¼	- —
Yellow, mercury oxide, bbls., 1,000 lbs.	lb.	1.93	- —
smaller lots.	lb.	1.95	- —
Ocher, American, golden, bgs., works.	lb.	.01¼	- 02½
Zinc, bbls., same basis as chrome.	lb.	.21	- —
Yellow dock root, bls.	lb.	.25	- .27
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.45	- .50
Yohimbine hydrochloride, vis.	oz.	3.25	- 4.00

Z

Zein, bgs., 1,000 lbs., works.	lb.	23	- —
smaller lots works.	lb.	25	- —
Zinc acetate, tech., bbls., dms.	lb.	20	- —
NF, dms.	lb.	39	- .40
Arsenite, bgs., c.l., frt. alld. E. of Rockies.	lb.	No stocks	
l.c.l., same basis.	lb.	No stocks	
Carbonate, tech., rubber makers', bbls., works.	lb.	.10¾	- .11¾
USP, precip., powd., bbls.	lb.	23	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —
Chloride, tech., fused, dms., c.l., works. 100 lbs.		6.25	- —
l.c.l., works. 100 lbs.		6.65	- —
gran., bbls., c.l., works. 100 lbs.		7.00	- —
l.c.l., works 100 lbs.		7.40	- —
solution, 50%, dms., c.l., works.	lb.	.0365	- —
l.c.l., works.	lb.	.0425	- —
tanks, works	lb.	.0300	- —
USP, gran., dms.	lb.	30	- .31
jars	lb.	35	- .32
Chromate (see Yellow, zinc).			
Zinc cyanide, kgs., works.	lb.	.35	- .36
Diethyldithiocarbamate, dms., works.	lb.	1.15	- —
Dust, bbls., c.l., divd.	lb.	.1250	- .1260
l.c.l., divd.	lb.	.1275	- .1300
Fluoride, bbls., works.	lb.	.18	- .19
Hydrosulphite, dms., works.	lb.	16	- —
Iodide, NF, jars.	lb.	4.65	- —
Laurate, bbls.	lb.	.45	- .46
Linoleate, solid, 9½%, bbls.	lb.	.51¾	- —
Metal slabs, E. St. Louis.	lb.	12	- —
Naphthenate, liquid, 8% Zn, dms., divd.	lb.	21½	- —
Oleate, bbls.	lb.	42¼	- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld.	lb.	.11	- —
l.c.l., works.	lb.	.11¼	- —
American process, com'l lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.11	- —
l.c.l., works.	lb.	.11¼	- —
leaded, 5%, bgs., c.l., ship't point, frt. alld.	lb.	.11	- —
l.c.l. works.	lb.	.11¼	- —
35%, bgs., c.l., ship't point, frt. alld.	lb.	.12¾	- —
l.c.l., works.	lb.	.12¾	- —
50%, bgs., c.l., ship't point, frt. alld.	lb.	.13¾	- —
l.c.l., works.	lb.	.13¾	- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.13¼	- —
l.c.l., works.	lb.	.13¾	- —
green, seal, bgs., c.l., ship't point, frt. alld.	lb.	.12¾	- —
l.c.l., works.	lb.	.13	- —

HIGHLIGHTS of PAINT PROGRESS

No. 17 of a Series

1943

Firefly Paints Make Light of the Dark

NATURE'S spectacular gift to fireflies—cold light—played a bright role in World War II. In the form of luminous pigments, our armed forces inducted cold light into service, wrapped it in G.I. coatings and stationed it on numerous interior surfaces of ships, tanks and planes to aid safety of operation and freedom of movement of personnel in the dark.

Now luminous paints based on those pigments are finding a host of uses in the darkness of homes, industry, transportation and public places for decoration, safety aids and improved operating efficiency. Their cheerful glow brightens novelties, and serves in the nursery to chase children's fear of the dark and to encourage sleep. On light switches, lamp shades, clocks, furniture trim, baseboards and stairways they help like a seeing eye to cut down hazardous groping. Their tell-tale glow on valves, dials and other instruments of ships and planes speeds up work in dark quarters. On exits, directional signs, first aid and fire fighting equipment they add to safety in darktime emergencies.

Thus, luminous paints loom large as an important new aid to better living.

1848–1948

Partners in Paint Progress

Through meticulous research, the scientists of The New Jersey Zinc Company brought forth early in the war new luminous pigments far lower in price and with much longer, brighter glow.

The Paint Industry — New Jersey Zinc

THE NEW JERSEY ZINC COMPANY
Established 1848
160 Front Street, New York 7, N. Y.

1941 1943 1938 1936 1934 1929 1927 1925 1927 1860 1880 1900 1905 1910 1915 1920 1923

Zinc oxide, pigment, French process, red seal, bgs., c.l., ship't point, frt. alld..lb. .12¼ - —
l.c.l., works.....lb. .12½ - —
white seal, bgs., c.l., ship't point, frt. alld..lb. .13¼ - —
l.c.l., works.....lb. .13½ - —
USP, ctns., c.l., ship't point, frt. alld..lb. .14¼ - —
l.c.l., same basis.....lb. .14½ - —

Zinc oxide Pac. coast prices ¼c. higher; bbls., prices ¼c. higher than bgs.

Resinate, fused, 9% Zn, powd., solution, 50%, dms., c.l., works..lb. .0365- —
Silicofluoride, bbls., works.....lb. .11 - —
Stearate, ctns., 2,000 lbs.....lb. .48 - —
smaller lots.....lb .49 - —
Zinc sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..100 lbs. 4.15 - —
l.c.l., same basis...100 lbs 4.90 - —
flake, 23½% Zn., bgs., c.l., same l.c.l. same basis...100 lbs 5.55 - —
powd., 36% Zn, bgs., c.l., same basis..100 lbs. 6.75 - —
l.c.l., same basis...100 lbs 7.50 - —
Zinc sulphate in bbls., 40c higher
Sulphide, pure, bgs. c.l., dlvd.....lb. .11½ - —
l.c.l., works.....lb. .11¾ - —
Barium pigment, bgs., c.l., dlvd. lb .08 - —
l.c.l., works.....lb .08¼ - —
Calcium pigment, bgs., c.l., dlvd lb .08 - —
l.c.l., works.....lb .08¼ - —
Luminescent pigment, frt. alld..lb 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb .08 - —
l.c.l., dlvd. .....lb .08¼ - —

Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Sulphocarbolate, NF, gran., bbls., dms..lb. .28 - .29
powd., bbls. .....lb .31 - .32
Yellow (see Yellow, zinc)
Zinc-cadmium sulphide, fluorescent, cns., frt. alld..lb 2.00 - 2.80
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld..lb. .17 - —
normal, dms., works, frt. alld.lb. .33 - —
Zinc-iron oxide pigment, bgs., c.l. dlvd..lb. .08¼ - —
Pac. coast.....lb. .08¾ - —
l.c.l., dlvd. E. of Rockies....lb .09 - —
Pac. coast.....lb. .09¾ - —
Zircon (see Zirconium silicate).
Zirconium acetate, solution, bbls., works..lb .25½ - —
basic carbonate, solution, bbls., works..lb. .30½ - —
Hydride, cns., works.....lb. 7.00 - —
Oxide, 88%, 92%, grd., bbls. or bgs., any quantity, works..lb. .25 - —
98¼-99%, white, grd., bbls. or bgs., works..lb. 1.50 - —
lump, electric-fused, bgs., c.l., works..lb. .44 - —
5 tons, works.....lb. .44½ - —
2,000 lbs and less, works...lb. .45 - .48
milled, electric-fused, bgs., c.l., works..lb. .59 - —
5 tons, works.....lb. .59½ - —
2,000 lbs. and less, works..lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works..lb. .29½ - —
Silicate, granular, bgs., c.l., works.lb. .03¾ - —
5 tons, works.....lb. .04 - —
2,000 lbs. and less, works....lb. .04¼ - .04¾
milled, bgs., c.l., works.....lb. .04¾ - —
5 tons, works.....lb. .05¼ - —
2,000 lbs., works.....lb. .05¾ - .06¾
refined, bgs., c.l., works.....lb. .11 - —
5 tons, works.....lb. .11½ - —
2,000 lbs. and less, works...lb. .12 - .16
Sulphate, basic, cake, ctns., c.l., works..lb. .37½ - —
5 tons, works.....lb. .38 - —
2,000 lbs and less, works..lb. .38½ - .39

Synthetic Resins and Branded Paint Materials

(Manufacturers' List Prices)

A

ABALYN (see methyl abietate in Current Market Quotations).

AROCLORS, distilled, dms., c.l., works. lb. .18 - —
ton lots, works.....lb. .18½ - —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works....lb. .15½ - —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½ - —

B

BAKELITE, B.R. 254, dms., c.l., frt. alld..lb. .40 - —
l.c.l., frt. alld.....lb. .40½ - .43
2175, c.l., frt. alld.....lb .39½ - —
l.c.l., frt. alld.....lb. .40 - .42½
3300, c.l., frt. alld.....lb. .37½ - —
l.c.l., frt. alld.....lb. .38 - .40½
4036, c.l., frt. alld.....lb. .39 - —
l.c.l., frt. alld.....lb. .39½ - .42
9367, c.l., frt. alld.....lb. .26 - —
l.c.l., frt. alld.....lb. .26½ - .29
9400, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld.....lb. .34½ - .37
9432, c.l., frt. alld.....lb. .33 - —
l.c.l., frt. alld.....lb. .33½ - .36
10282, c.l., frt. alld.....lb. .34½ - —
l.c.l., frt. alld.....lb. .35 - .37½
11544, c.l., frt. alld.....lb. .26½ - —
l.c.l., frt. alld.....lb. .27 - .29½
14634, c.l., frt. alld.....lb. .35½ - —
l.c.l., frt. alld.....lb. .36 - .38½
15775, c.l., frt. alld.....lb. .26 - —
l.c.l., frt. alld.....lb. .26½ - .29
17620, c.l., frt. alld.....lb. .29 - —
l.c.l., frt. alld.....lb. .29½ - .32
17920, c.l., frt. alld.....lb. .49 - —
l.c.l., frt. alld.....lb. .49½ - .52
BV-1600, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld.....lb. .30½ - .33
9700-S, c.l., frt. alld.....lb. .24 - —
l.c.l., frt. alld.....lb. .24½ - .27
10073, c.l., frt. alld.....lb. .35 - —
l.c.l., frt. alld.....lb. .35½ - .38
BK-3962, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld.....lb. .30½ - .33
10302, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld.....lb. .34½ - .37
10624, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld.....lb. .30½ - .33
XR-3180, c.l., frt. alld.....lb. .70 - —
l.c.l., frt. alld.....lb. .70½ - .73
4557, c.l., frt. alld.....lb. .72 - —
l.c.l., frt. alld.....lb. .72½ - .75

BAKELITE BJ-13408, c.l., frt. alld..lb. .38 - —
l.c.l., frt. alld.....lb. .38½ - .41

Prices are f.o.b. Bakelite corporation's plants or warehouses, minimum transportation charges allowed on units of standard drums or over to destination in United States except as follows:—Add 1c. per pound to list prices for prepaid delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Shipments made via customer's routing will be shipped transportation charges collect and allowance for minimum transportation charges will be credited on invoice covering materials shipped. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

BEETLE, 212-9, dms., c.l., frt. alld.lb. .45½ - —
l.c.l., same basis.....lb. .46 - —
219-8, c.l., frt. alld.....lb. .33 - —
l.c.l., same basis.....lb. .33½ - —
227-8, c.l., frt. alld.....lb. .33 - —
l.c.l., same basis.....lb. .33½ - —
230-8, c.l., frt. alld.....lb. .39½ - —
l.c.l., same basis.....lb. .40¼ - —
251-8, c.l., frt. alld.....lb. .34 - —
l.c.l., same basis.....lb. .34½ - —
592-8, c.l., frt. alld.....lb. .35½ - —
l.c.l., same basis.....lb. .35½ - —

C

CELLOLYN 102, non-ret. dms., dlvd., c.l., zone 1..lb. .24½ - —
l.c.l., same basis.....lb. .22 - —
103, c.l., same basis.....lb. .22½ - —
l.c.l., same basis.....lb. .23 - —
95, c.l., same basis.....lb. .28 - —
l.c.l., same basis.....lb. .28½ - —
501, c.l., same basis.....lb. .30½ - —
l.c.l., same basis.....lb. .31 - —
CUMAR resin, AX, viscous, net weight..lb. .07½ - —
CX, solid, gross weight.....lb. .07 - —
EX, dark, solid, color 17-22, gross weight..lb. .06 - —
light, solid, color 12-16, gross weight..lb. .06½ - —
FX, solid, gross weight.....lb. .07 - —
MH 1, flaked, net weight.....lb. .14 - —
1½ and 2, flaked, net weight..lb. .13 - —
2½ and 3, flaked, net weight..lb. .12 - —
2½ and 3, solid, net weight....lb. .11½ - —
9, solid, net weight.....lb. .10 - —
P-10*, viscous, net weight.....lb. .12 - —
P-25*, viscous, net weight.....lb. .12 - —
RH, solid, net weight.....lb. .12 - —
S, solid, gross weight.....lb. .13 - —
T 3, solid, gross weight.....lb. .10½ - —
3-3, solid, gross weight.....lb. .11½ - —
5, solid, gross weight.....lb. .10¼ - —
5-2, solid, gross weight.....lb. .10¾ - —
5-3, solid, gross weight.....lb. .11 - —
6, solid, gross weight.....lb. .09¾ - —
15, solid, gross weight.....lb .06½ - —
V ½, flaked, net weight.....lb. .15 - —
1, flaked, net weight.....lb. .14 - —
1½ and 2, flaked, net weight...lb. .13 - —
2½ and 3, flaked, net weight...lb. .12 - —
W ½, flaked, net weight.....lb. .15½ - —
1, flaked, net weight.....lb. .14½ - —
1½ and 2, flaked, net weight...lb. .13½ - —
2½, flaked, net weight.....lb .12½ - —
Prices apply to full standard drums only, f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh.

D

DOW resin 276, V-2 and V-9, 55-gal drums, c.l., works..lb. .24 - —
276, V-2, V-9, dms., l.c.l., same basis..lb. .24½ - —
5 and 10-gal drums, same basis lb .30 - —
DOW CORNING silicone resins DC-801, 5-10-gal. cans, net wgt., 8.4 lbs. per gal., f.o.b. Midland, Mich..gal.19.40 - —
30-50 gals., dms.....gal.18.65 - —
DC-802, 5-10 gals., same basis.gal.19.40 - —
30-50-gal. dms., same basis..gal.18.65 - —
DC-803, 5-10 gals., same basis.gal.15.70 - —
30-50-gal dms., same basis..gal.15.10 - —
DC-804, 5-10 gals., same basis..gal.19.40 - —
30-50-gal dms., same basis gal 18.65 - —
DC-993, 50% solids, 5-10 gals., same basis..gal.15.50 - —
30-50-gal., dms., same basis.gal.14.90 - —
DC-5986, 70% solids, 5-10 gals., net wgt., 9 lbs. per gal., f.o.b. Midland, Mich..gal.23.25 - —
30-50-gal. dms., same basis..gal.22.40 - —
DC-996, 5-10 gals., net wgt., 8.4 lbs. per gal., f.o.b. Midland, Mich. gal.15.50 - —
30-50-gal. dms., same basis..gal.14.90 - —
DC-2103, 5-10 gals., net wgt., 9 lbs. per gal., f.o.b. Midland, Mich. gal.19.90 - —
30-50-gal. dms., same basis.gal.19.15 - —
DYAL resins, CR-5062, 50% solids, dms. incl., c.l., works..lb. .25½ - —
l.c.l., same basis.....lb. .26 - —
CR-6028, 60% solids, dms. incl., c.l., same basis..lb. .29½ - —
l.c.l., same basis.....lb. .30 - —
CR-6075, 50% solids, dms. incl., c.l., same basis..lb. .23½ - —
l.c.l., same basis.....lb. .24 - —
CR 6078, 50% solids, dms. incl., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
CR-7016, 70% solids, dms. incl., c.l., same basis..lb. .21½ - —
l.c.l., same basis.....lb. .22 - —
V-7807, 50% solids, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½ - —
V-7819, 55% solids, dms. incl., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½ - —
V-7884, 70% solids, dms. incl., c.l., same basis..lb. .30½ - —
l.c.l., same basis.....lb. .31 - —
V-7886, 70% solids, dms. incl., c.l., same basis..lb. .28½ - —
l.c.l., same basis.....lb. .29 - —
V-7986, 50% solids, dms. incl., c.l., same basis..lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
V-7999, 50% solids, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½ - —
V-15001, 50% solids, dms. incl., c.l., same basis..lb. .23½ - —
l.c.l., same basis.....lb. .24 - —
V-15002, 70% solids, dms. incl., c.l., same basis..lb. .28½ - —
l.c.l., same basis.....lb. .29 - —
V-15006, 50% solids, dms. incl., c.l., same basis..lb. .19½ - —
l.c.l., same basis.....lb. .20 - —
V-15018, 50% solids, dms. incl., c.l., same basis..lb. .19½ - —
l.c.l., same basis.....lb. .20 - —
V-15026, 50% solids, dms. incl., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½ - —
V-15109, 50% solids, dms. incl., c.l., same basis..lb. .25½ - —
l.c.l., same basis.....lb. .26 - —
V-15116, 90% solids, dms. incl., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .40½ - —
V-15156, 100% solids, dms. incl., c.l., same basis..lb. .38 - —
l.c.l., same basis.....lb. .38½ - —

DYAL resins V-15537, 50% solids, dms. incl., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½ - —
V-15666, 60% solids, dms. incl., c.l., same basis..lb. .29 - —
l.c.l., same basis.....lb. .29½ - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ⅝c. per lb. for the foregoing states. Add ½c. per lb. for 30-gal. dms.; 5-gal. pails, 1c. per lb. additional.

DYMAL resins, CR-149, fiber ctns., net wgt., c.l., works..lb. .27 - —
l.c.l., same basis.....lb. .27½ - —
CR-479, fiber ctns., net wgt., c.l., same basis..lb. .31½ - —
l.c.l., same basis.....lb. .32 - —
13218, fiber ctns., net. wgt., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½ - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ⅝c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENE resins, 13005, fiber ctns., net wgt., c.l., works..lb. .39 - —
l.c.l., same basis.....lb. .39½ - —
13007, fiber ctns., net wgt., c.l., same basis..lb. .37 - —
l.c.l., same basis.....lb. .37½ - —
13008, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis.....lb. .39½ - —
13010, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis.....lb. .39½ - —
13080, fiber ctns., net wgt., c.l., same basis..lb. .37 - —
l.c.l., same basis.....lb. .37½ - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ⅝c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional

DYPHENITE resins, 13079, fiber ctns., net wgt., c.l., works..lb. .31 - —
l.c.l., same basis.....lb. .31½ - —
13130, fiber ctns., net wgt., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
13133, fiber ctns., net wgt., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .27½ - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ⅝c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

E

ETHOCEL (see Ethylcellulose in Current Market Quotations).

F

FALKYD A-2, 60% solids, dms. incl., c.l..lb. .29½ - —
l.c.l., same basis.....lb. .30 - —
A-3, 50% solids, dms. incl., c.l....lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
A-3-LV, 50% solids, dms. incl., c.l..lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
A-4-D, 40% solids, dms. incl., c.l...lb. .20¾ - —
l.c.l., same basis.....lb. .21¼ - —
A-4-D, 50% solids, dms. incl., c.l...lb. .24¾ - —
l.c.l., same basis.....lb. .25¼ - —
A-5-D, 70% solids, dms. incl., c.l...lb. .33½ - —
l.c.l., same basis.....lb. .34 - —
*A-5-D, 100% solids, dms. incl., c.l.lb. .46½ - —
l.c.l., same basis.....lb. .47 - —
A-6, 70% solids, dms. incl., c.l....lb. .33 - —
l.c.l., same basis.....lb. .33½ - —
AA-6, 70% solids, dms. incl., c.l...lb. .32½ - —
l.c.l., same basis.....lb. .33 - —
B-2, 60% solids, dms. incl., c.l....lb. .29¼ - —
l.c.l., same basis.....lb. .29¾ - —
B-2-8, 50% solids, dms. incl., c.l...lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
B-3, 50% solids, dms. incl., c.l....lb. .23 - —
l.c.l., same basis.....lb. .23½ - —
B-34, 50% solids, dms. incl., c.l....lb. .23 - —
l.c.l., same basis.....lb. .23½ - —
B-38, 50% solids, dms. incl., c.l....lb. .25¼ - —
l.c.l., same basis.....lb. .25¾ - —
B-41, 65% solids, dms. incl., c.l....lb. .29 - —
l.c.l., same basis.....lb. .29½ - —
*B-43-D, 100% solids, dms. incl., c.l...lb. .42 - —
l.c.l., same basis.....lb. .42½ - —
B-5, 85% solids, dms. incl., c.l....lb. .35¾ - —
l.c.l., same basis.....lb. .36¼ - —
B-606, 60% solids, dms. incl., c.l...lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
B-636, 70% solids, dms. incl., c.l...lb. .28½ - —
l.c.l., same basis.....lb. .29 - —
BB-6, 70% solids, dms. incl., c.l....lb. .28½ - —
l.c.l., same basis.....lb. .29 - —
C-3, 50% solids, dms. incl., c.l....lb. .23½ - —
l.c.l., same basis.....lb. .23¾ - —
C-5, 70% solids, dms. incl., c.l....lb. .29 - —
l.c.l., same basis.....lb. .29½ - —
C-5-D, 70% solids, dms. incl., c.l...lb. .30 - —
l.c.l., same basis.....lb. .30½ - —
G-25, 50% solids, dms. incl., c.l...lb. .25 - —
l.c.l., same basis.....lb. .25½ - —
G-2500 (xylol)) 50% solids, dms. incl., c.l...lb. .24¾ - —
l.c.l., same basis.....lb. .25¼ - —
G-2509 (high-flash), 50% solids, dms. incl., c.l..lb. .25½ - —
l.c.l., same basis.....lb. .25¾ - —
I-72-D-HV, 50% solids, dms. incl., c.l...lb. .21 - —
l.c.l., same basis.....lb. .21½ - —
I-7, 60% solids, dms. incl., c.l....lb. .17¾ - —
l.c.l., same basis.....lb. .18¼ - —
I-8, 75% solids, dms. incl., c.l....lb. .19½ - —
l.c.l., same basis.....lb. .20 - —
J-203, 50% solids, dms. incl., c.l...lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
J-525, 50% solids, dms. incl., c.l...lb. .21½ - —
l.c.l., same basis.....lb. .22 - —
L-4-X, 50% solids, dms. incl., c.l...lb. .27¼ - —
l.c.l., same basis.....lb. .27¾ - —
L-5, 60% solids, dms. incl., c.l....lb. .30½ - —
l.c.l., same basis.....lb. .31 - —
W-200, 60% solids, dms. incl., c.l...lb. .31¼ - —
l.c.l., same basis.....lb. .31¾ - —

Tankcar prices 3c. per lb. below c.l. quotations.
* Tankcar quotation not available.

FALKOTE 285, 100% solids, dms. incl., c.l..lb. .26½ - —
l.c.l., same basis.....lb. .27 - —
315, 100% solids, dms. incl., c.l....lb. .26½ - —
l.c.l., same basis.....lb. .27 - —
FLEXALYN solution, non-ret, dms., dlvd., c.l., zone 1..lb. .16¾ - —
l.c.l., same basis.....lb. .17¼ - —
C solution, c.l., same basis.....lb. .16 - —
l.c.l., same basis.....lb. .16½ - —

FORMVAR polyvinyl formal resin, 15/95-E, ret. dms., c.l. (30,000 lbs.), f.o.b. Indian Orchard, Mass..lb. .75 - —
20,000 lbs. to 29,999 lbs., same basis..lb. .77 - —
150 lbs. to 19,999 lbs., same basis. lb. .80 - —
smaller lots, same basis.....lb. .90 - —

G

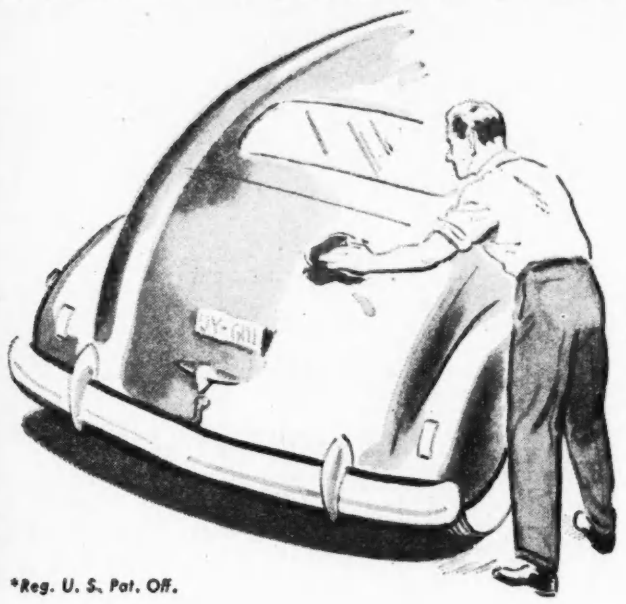
GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works..lb. .40 - —
ton lots only, fib. ctns., same basis. lb. .43 - —
over 200 lbs., fib. ctns., same basis. lb. .45 - —
under 200 lbs., fib. ctns., same basis..lb. .60 - —
Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.
Solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass. gal. 1.75 - —
1.5 cps., 70% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .31 - —
less than ton lots, non-ret. bbls., same basis..lb. .32 - —
2.5 cps., 60% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .27½ - —
less than ton lots, non-ret. bbls., same basis..lb. .28½ - —
7 cps., 50% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .24 - —
less than ton lots, non-ret. bbls., same basis..lb. .25 - —
15 cps., 35% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .19 - —
less than ton lots, non-ret. bbls., same basis..lb. .20 - —
100 cps., 25% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .16 - —
less than ton lots, non-ret. bbls., same basis..lb. .17 - —
Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids) and S-50, non-ret. bbls., c.l., dlvd. E. of Rocky Mts., works..lb. .20½ - —
ton lots and over, non-ret. bbls., same basis..lb. .22 - —
less than ton lots, non-ret. bbls., same basis..lb. .22½ - —
Prices W. of Rocky Mts. 2c. per lb. higher.
GEON, polyvinyl resin, 101, 50,000 lbs., works..lb. .32 - —
5,000 to 29,999 lbs., works....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs., works.....lb. .37 - —
200 to 4,999 lbs., works.....lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
204, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs.....lb. .37 - —
200 to 4,999 lbs.....lb. .39 - —
up to 199 lbs.....lb. .56 - —
205, 30,000 lbs. works.....lb. .33 - —
5,000 to 29,999 lbs., works.....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
GLYPTAL 2458, dms., c.l., frt. alld., zones 1 & 2..lb. .23½ - —
l.c.l. .....lb. .23¾ - —
2462, c.l., same basis.....lb. .24 - —
l.c.l. .....lb. .24½ - —
2464, c.l., same basis.....lb. .24 - —
l.c.l. .....lb. .24½ - —
2466, c.l., same basis.....lb. .23 - —
l.c.l. .....lb. .23½ - —
2475, c.l., same basis.....lb. .25½ - —
l.c.l. .....lb. .26 - —
2477, c.l., same basis.....lb. .28½ - —
l.c.l. .....lb. .28¾ - —
2480, c.l., same basis.....lb. .24½ - —
l.c.l. .....lb. .25¼ - —
2502, c.l., same basis.....lb. .24½ - —
l.c.l. .....lb. .25¼ - —
2503, c.l., same basis.....lb. .40 - —
l.c.l. .....lb. .40½ - —
2504, c.l., same basis.....lb. .24½ - —
l.c.l. .....lb. .25 - —
2505, c.l., same basis.....lb. .28½ - —
l.c.l. .....lb. .29 - —
2506, c.l., same basis.....lb. .27½ - —
l.c.l. .....lb. .28 - —
2508, c.l., same basis.....lb. .49 - —
l.c.l. .....lb. .49½ - —
2509, c.l., same basis.....lb. .22½ - —
l.c.l. .....lb. .23 - —
2510, c.l., same basis.....lb. .21 - —
l.c.l. .....lb. .21½ - —
2514, c.l., same basis.....lb. .26 - —
l.c.l. .....lb. .26½ - —
2517, c.l., same basis.....lb. .24½ - —
l.c.l. .....lb. .25 - —
2518, c.l., same basis.....lb. .25¼ - —
l.c.l. .....lb. .25¾ - —
2527, c.l., same basis.....lb. .26 - —
l.c.l. .....lb. .26½ - —
2529, c.l., same basis.....lb. .34¾ - —
l.c.l. .....lb. .35¼ - —
2532, c.l., same basis.....lb. .20½ - —
l.c.l. .....lb. .21 - —
2536, c.l., same basis.....lb. .29¼ - —
l.c.l. .....lb. .29¾ - —
2556, c.l., same basis.....lb. .33 - —
l.c.l. .....lb. .33½ - —
2570, c.l., same basis.....lb. .26½ - —
l.c.l. .....lb. .26¾ - —
2583, c.l., same basis.....lb. .22¼ - —
l.c.l. .....lb. .22¾ - —
2585, c.l., same basis.....lb. .22¾ - —
l.c.l. .....lb. .24¼ - —
2590, c.l., same basis.....lb. .22 - —
l.c.l. .....lb. .22½ - —
2592, c.l., same basis.....lb. .19¾ - —
l.c.l. .....lb. .20¼ - —
2593, c.l., same basis.....lb. .25½ - —
l.c.l. .....lb. .26¼ - —
2595, c.l., same basis.....lb. .26 - —
l.c.l. .....lb. .26½ - —
GUAI-A-PHENE, ret. dms., dms. on deposit at 36 each, works, 50-55 gals..gal. 2.97 - —
10 gals., two fives per case, works. gal. 3.07 - —
5 gals., one can per case, works. gal. 3.12 - —
6 gals., six ones in single case, works..gal. 3.22 - —
1 gal. in single carton, works.gal. 3.32 - —

H

HERCOLYN (see methyl abietate hydrogenated) in Current Market Quotations.

WHY NOT USE
*CARDIS, THE
EMULSIFIABLE
PETROLEUM WAX...

*CARDIS...
THE UNIQUE EMULSIFIABLE
PETROLEUM WAX, MAY
SOLVE YOUR PROBLEMS
TOO...



*Reg. U. S. Pat. Off.

Cardis is one of our new developments in the field of petroleum chemistry. *Cardis* has quickly found favor in emulsion polishes and in the manufacture of paste polishes, carbon papers and numerous other formulations where non-petroleum waxes were formerly thought necessary.

We suggest that you let our technical experts advise you of the possibilities offered in your field by Cardis.

WARWICK WAX COMPANY, INC.

Subsidiary SUN CHEMICAL CORPORATION

10-10 44th AVENUE, LONG ISLAND CITY 1, N. Y.

Sun CHEMICAL CORPORATION

L

LEWISOL resin, No. 1, non-returnable f.o.b. customers siding, zone 1...lb. 26 - —
l.c.l., same basis.....lb. 26½ - —
2-L, c.l., same basis.....lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
20, c.l., same basis.....lb. 24½ - —
l.c.l., same basis.....lb. .25 - —
28, c.l., same basis.....lb. .25 - —
l.c.l., same basis.....lb. .25½ - —
33, c.l., same basis.....lb. .26 - —
l.c.l., same basis.....lb. .26½ - —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis. St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, net returnable; net 30 days.

M

MARVINOL resin, VR-10, 30,000 lbs., f.o.b. works...lb. .33 - —
5,000 to 29,999 lbs., same basis...lb. 34 - —
200 to 4,999 lbs., same basis...lb. 36 - —
up to 199 lbs., same basis.....lb. 50 - —
MELMAC, 245-8, dms., c.l., frt. alld.lb. 42½ - —
l.c.l., frt. alld.....lb. .43 - —
248-8, c.l., frt. alld.....lb. .43½ - —
l.c.l., frt. alld.....lb. .43½ - —
300-8, c.l., frt. alld.....lb. .41½ - —
l.c.l., frt. alld.....lb. .42½ - —
586-9, c.l., frt. allo.....lb. 39 - —
l.c.l., frt. alld.....lb. .39½ - —
599-8, c.l., frt. alld.....lb. .41½ - —
l.c.l., frt. alld.....lb. 42 - —
METHOCEL (see Methylcellulose in Current Market Quotations).

N

NEO-FAT drying oil, 170, dms. incl., c.l., dlvd...lb. .31¼ - —
190 dms., c.l., dlvd.....lb. .34½ - —
fatty acid, 3R, dms. incl., c.l., dlvd...lb. .21½ - —
11, dms., c.l., dlvd.....lb. .40½ - —
17, dms., c.l., dlvd.....lb. .27½ - —

Neo fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

NEOLYN resin, 20, non-ret. dms., c.l., f.o.b. customer's siding, zone 1, lb. 26 - —
l.c.l., same basis.....lb. 26½ - —
23, c.l., same basis.....lb. 25 - —
l.c.l., same basis.....lb. 25½ - —
24 (75% in toluol), c.l., same basis...lb. 22½ - —
l.c.l., same basis.....lb. 23 - —
40, c.l., same basis.....lb. .27 - —
l.c.l., same basis.....lb. 27½ - —
60, c.l., same basis.....lb. 25 - —
l.c.l., same basis.....lb. .25½ - —
NEVILLAC, pale hard, color 1-2, melting point 85-95° C., dms., drums, works...lb. 25 - —
hard, color 2½-4, melting point 85-95° C., same basis...lb. 23 - —
soft, color 2½-4, melting point 65-70° C., same basis...lb. 25 - —
10° C., color ½-1, same basis...lb. 33 - —
ZC, same basis.....lb. 31 - —
OA same basis.....lb. 45 - —
RF same basis.....lb. 31 - —
RN, same basis.....lb. 31 - —
TS, same basis.....lb. 45 - —
PHO, same basis.....lb. 33 - —

NEVILLE resin, G, dms., net weight, lb. .10½ - —
R-1 nevindene, color ½, dms., works...lb. .15½ - —
R-3, nevindene, color 1, dms. works...lb. .14½ - —
R 5, nevindene, color 1½-2, dms., works...lb. .13½ - —
R-6, nevidene, color 2½-3½, dms., works...lb. .12½ - —
R-7, M.P.S., color below 3, dms., works...lb. .15 - —
R-9, hard, color ½, dms., works...lb. 15 - —
R-10, hard, color 1 dms., works. lb. .14 - —
R-11, hard, color 1½-2, dms., works...lb. 13 - —
R 12, hard, color, 2½-3½, dms., works...lb. 12 - —
R 13, medium color ½, dms., works...lb. .15 - —
R-14, medium, color 1, dms., works...lb. 14 - —
R-15, medium, color 1½-2, dms., works...lb. 13 - —
R 16, medium, color 2½-4, dms., works, lb. 12 - —
R-16-A, color 4-8, dms., c.l., works, lb. .10 - —
l.c.l., works.....lb. .10½ - —
R-17, medium, soft, color 3½-8, dms., works...lb. 12 - —
R-19 medium, soft, color 3½-8, dms., works...lb. 12 - —
R-21, soft, color 3½-8, dms., works...lb. .12 - —
R-22, special, soft, color 3½-8, dms., works...lb. .12 - —
R-23, medium, soft, color 2½-8, dms., works...lb. 12 - —
465 110-125° C., dms., gross weight, Pittsburgh...lb 65½ - —

NEVILLE resinous oil, No. XI, ret. dms...lb. .62½ - —

Neville resin prices, except "G" resin, R-16-A and 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.

NEVINOL, dms., works.....lb. 17 - —
NUBA, No. 1, 80-90° C., dms., gross weight, works...lb .04 - —
No. 2, 100-125° C., dms., gross weight, works...lb. .04 - —
No. 3-X, 135-150° C., dms., gross weight, works. lb. .06½ - —

P

PARADENE 1, 75-99° C. color 12-16, dms., gross wt., works...lb. .06½ - —
2, 100-125° C., color 12-16, dms., gross wt., works...lb. .06½ - —
3, 125-140° C., dms., gross wt. works...lb. .07 - —
33, color 10-15, dms., works.....lb. .07½ - —
34, color 10-15, dms., works.....lb. .07½ - —
35, color 10-15 dms., works, gross wt., lb. .07 - —

Paradene prices are freight equalized in Philadelphia, Pa.

PENTALYN A, non-ret. dms., f.o.b. customer's siding, zone 1, c.l. lb. 16½ - —
l.c.l., same basis.....lb. 16½ - —
C, c.l., same basis.....lb. 21 - —
l.c.l., same basis.....lb. 21½ - —
F, c.l., same basis.....lb. 20½ - —
l.c.l., same basis.....lb. 21½ - —
G, c.l., same basis.....lb. 20½ - —
l.c.l., same basis.....lb. 21½ - —
H, c.l., same basis.....lb. 21 - —
l.c.l., same basis.....lb. 21½ - —
M, c.l., same basis.....lb. 22½ - —
l.c.l., same basis.....lb. 23 - —
M-802A c.l., same basis.....lb. 22½ - —
l.c.l., same basis.....lb. 22½ - —
O, c.l., same basis.....lb. 21½ - —
l.c.l., same basis.....lb. 22½ - —
X, c.l., same basis.....lb. 22½ - —
l.c.l., same basis.....lb. 23½ - —
PHENAC, 601-M, dms., c.l., frt. alld. lb. 23½ - —
l.c.l., frt. alld.....lb. 24½ - —
608, c.l., frt. alld.....lb. 24½ - —
l.c.l., frt. alld.....lb. 24½ - —
622-N, c.l., frt. alld.....lb. 23 - —
l.c.l., frt. allo.....lb. 23½ - —
X-687, c.l., frt. allo.....lb. 38 - —
l.c.l., frt. allo.....lb. 38½ - —
PICCOLASTIC resins, A-1, A-5, A-25, A-50, A-75, B-50, B-75, B-100, C-5, C-25, C-50, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-50, E-75, E-100, E 125 dms., c.l., f.o.b Clairton, Pa...lb. 24 - —
l.c.l., same basis.....lb. 24½ - —
FT, FX, FHF, dms., c.l., same basis, lb. .15 - —
l.c.l., same basis.....lb. .15½ - —

Prices are on a net weight basis, containers included, and apply to standard packages only. For other than full drum shipments add 5c. per lb.

PICCOLYTE resins, S-10, S-25, S-10, dms. net wt. f.o.b. Clairton Pa., c.l...lb. .15 - —
l.c.l.....lb. .15½ - —
S-55, S-70, c.l., same basis.....lb. .15 - —
l.c.l.....lb. .15½ - —
S-85, S-100, c.l., same basis.....lb. .15 - —
l.c.l.....lb. .15½ - —
S-115, c.l., same basis.....lb. .15 - —
l.c.l.....lb. .15½ - —
S-125, c.l., same basis.....lb. .15½ - —
l.c.l.....lb. .15½ - —
Solutions, S-115, 45% solids, dms. incl., c.l., f.o.b. Clairton, Pa. lb. .11½ - —
l.c.l., same basis.....lb. .12½ - —
tanks, same basis.....lb. .10½ - —
S-115, 45% solids, dms. incl., same basis...lb. .09½ - —
l.c.l., same basis.....lb. .09½ - —
tanks, same basis.....lb. .07½ - —
PICCOUMARON resins, 450-H, 450-L, 450-HL, dms., net wt., solid, f.o.b Clairton or Chester, Pa., frt. equald lb. 11½ - —
450, 450-E, 450-S, same basis...lb. 11½ - —
450-ES, same basis.....lb. 11½ - —
450, same basis.....lb. 11½ - —
Other 450 series, dms., net. wt., plastic, f.o.b. works, frt. equald. lb. .12 - —
440-S, same basis.....lb. .09½ - —
450-H, dms., gross wt., solid, f.o.b. works, frt. equald. lb. 07 - —
other 450 series, dms., net. wt., solid, f.o.b works, frt. equald. lb. 06½ - —
420-H, same basis.....lb. 10½ - —
420-S, 420-E, 420-ES, same basis.. lb. 10½ - —
422-R, 425-R, 425-R, 427-R, same basis...lb. 12 - —
Other 420 series, dms., net wt., plastic, f.o.b works, frt. equald...lb. 10½ - —
Picco-10, same basis.....lb. .12 - —
Picco-25, same basis.....lb. 12 - —
Picco-55, Picco-100, dms., net wt., solid, f.o.b works, frt. equald...lb. .11½ - —
Bunarex-10, dms., net wt., plastic, f.o.b., works, frt. equald...lb. 07½ - —
Bunarex-25 XX-25, same basis...lb. 07½ - —
Bunarex-100, XX-100, same basis.lb. 06½ - —
XX-40, same basis.....lb. 07½ - —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald. lb. 07 - —
XX-70, same basis.....lb. 06½ - —
XX-115, same basis.....lb. 07 - —
480 series, same basis.....lb. 17 - —
60% 420-ES sol., non-ret. dms., c.l lb. 09 - —
l.c.l., same basis.....lb. 09½ - —
C.G. (deodorized), dms., net. wt., solid f.o.b. works frt. equald lb. .11½ - —

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ½c higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

PLIOLITE, S-5, milled resin, dms., f.o.b. Akron, ton lb 59 - —
Base, 1A-S-5, titanium dioxide....lb. 45 - —
2B-85, carbon black, same basis.lb 50 - —
5-85, zinc oxide, same basis.....lb. 34 - —
6-85 red lead, same basis.....lb. 36 - —
7C-85, Indian red, same basis..lb. .49 - —
8A-85, zinc chromate, same basis.. lb. .51 - —
12-85, whiting, precipitated, same basis...lb. 28 - —
13-85, China clay, same basis....lb. .33 - —
14-85, dithotone, same basis.....lb. .31 - —
15-85, zinc sulphide, same basis.lb. .38 - —
17-85, Prussian blue, same basis.lb. 65 - —
55-85, toluidin toner, medium, same basis...lb. 95 - —
88-85, yellow iron oxide, same basis. lb. .45 - —
39C-S-5, C.P., chrome green, medium, same basis...lb. 59 - —
41A-S-5, C. P., chrome yellow, medium, same basis...lb. .46 - —

MODERN PLANT!
New Marvinol plant, now in production, contains latest equipment to assure efficient operation, uniform product. No division of The Glenn L. Martin Company compounds or fabricates in the plastics field.
WIDE TEMPERATURE RANGE!
Products made from Marvinol resins show less heat deformation than other resins . . . offer positive advantages in low temperature flexibility.
UNUSUAL VERSATILITY!
Easy to process, Marvinol resin may be calendered, extruded, injection molded, used in non-aqueous dispersions, formulated as unplasticized rigids.
these unique advantages make MARVINOL® RESINS a must!
TECHNICAL COOPERATION!
Expert sales engineers and fully-equipped customer service laboratory are available. Write on your company letterhead to: Chemicals Division, The Glenn L. Martin Co., Baltimore 3, Maryland.
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A polyvinyl chloride-type resin, of high molecular weight, Marvinol offers superior resistance to heat, light and other normally destructive factors.
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Unusual "dryness" . . . exceptional toughness and long life . . . may be tasteless, odorless . . . easily, quickly cleaned . . . can give crystal-clear transparency, brilliant or delicate colors.
BROAD EXPERIENCE!
A leader in research, Martin introduced the first plastic nose section for aircraft in 1921 . . . developed the first leak-proof flexible fuel tank, the Mareng cell . . . used as many as 400 plastic parts in one plane.
Martin Marvinol
RESINS, PLASTICIZERS AND STABILIZERS PRODUCED BY THE CHEMICALS DIVISION OF
THE GLENN L. MARTIN COMPANY • AN INTERNATIONAL INSTITUTION
"BETTER PRODUCTS, GREATER PROGRESS, ARE MADE BY MARTIN"

PLIOLITE, 46B-85, lampblack, same basis..lb. .53 - —
47-85, high zinc lithopone, same basis..lb. .34 - —
64-85, molybdate orange, dark, same basis..lb. .64 - —
65-85, C.P., chrome yellow, extra light, same basis..lb. .51 - —
66-S-5, phthalocyanine .....lb. .98 - —
68A-85, C.P., chrome green, extra light, same basis..lb. .59 - —
80-S-5, non-yellowing titanium dioxide..lb. .45 - —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

Polyamide ED, Nos. 93, 94, and 95, f.o.b. works, l.c.l. quantities..lb. .55 - —

POLYCO 117-H, polyvinyl acetate, bbls., c.l., f.o.b. Peabody, Mass..lb. .20½- —
bbls., l.c.l., same basis.....lb. .22 - .22½
Freight allowed to city of destination East of the Mississippi River, or freight allowance not to exceed 1½c. per net lb. of emulsion for points West of the Mississippi River.

144, polyacrylate, bbls., c.l., f.o.b. Peabody, Mass..lb. .28 - —
bbls., c.l., same basis.....lb. .29 - .30

Polyethylene resins, DYLT, bags, c.l. (30,000 lbs.), f.o.b. South Charleston, W. Va..lb. .56 - —
10,000 to 29,999 lbs., same basis, lb. .56½- —
200 to 9,999 lbs., same basis..lb. .57 - —
1 to 199 lbs., same basis.....lb. .60 - —
DYNF, granular, bags, same basis.lb. .41 - —
DYNH, granular, bags same basis.lb. .44 - —
DYNJ, granular, bags, same basis.lb. .47 - —

POLYPALE ester, No. 1, non-ret. dms., c.l., dlvd. zone 1..lb. 17½- —
l.c.l., same basis.....lb. 18½- —
No. 2, c.l., same basis.....lb. .20 - —
l.c.l., same basis.....lb. .20½- —
No. 3, c.l., same basis.....lb. .21½- —
l.c.l., same basis.....lb. .22½- —
No. 10, non-ret. dms., c.l., dlvd....lb. .20 - —
l.c.l., same basis.....lb. .20½- —

R

R-B-H resin, 540, bbls., c.l. or full truck load, f.o.b. Ruser, Utah..lb. .13½- —
l.c.l., f.o.b. Round Brook, N. J..lb. .16½- .20

RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass..lb. 42½- —
non-ret. dms., l.c.l., same basis..lb. 43 - —
5-gal. containers, same basis....lb. .55 - —
877, non-ret. dms., c.l., same basis.lb. .49 - —
non-ret. dms., l.c.l., same basis..lb. .49½- —
5-gal. containers, same basis....lb. .52½- —
878, non-ret. dms., c.l., same basis.lb. .43 - —
non-ret. dms., l.c.l., same basis..lb. .43½- —
5-gal. containers, same basis....lb. .55½- —
881, non-ret. dms., c.l., same basis.lb. .47 - —
non-ret. dms., l.c.l., same basis..lb. .47½- —
5-gal. containers, same basis....lb. .50½- —
882, non-ret. dms., c.l., same basis, lb. .47½- —
non-ret dms., l.c.l., same basis..lb. .48 - —
5-gal. containers, same basis....lb. .49 - —

Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

REZYL, 92-5, dms., c.l., frt. alld..lb. .28 - —
l.c.l. .....lb. .28½- —
99-4-60, c.l., same basis.....lb. .28 - —
l.c.l. .....lb. .28½- —
99-5, c.l., same basis.....lb. .28 - —
l.c.l. .....lb. .28½- —
310-5, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25 - —
330-5, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25½- —
387-5, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
412-1, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24 - —
435-1, c.l., same basis.....lb. .23 - —
l.c.l. .....lb. .23½- —
728-5, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
729-5, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24 - —
734-5, c.l., same basis.....lb. .27½- —
l.c.l. .....lb. .27½- —
775-1, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24½- —
775-4, c.l., same basis.....lb. .30½- —
l.c.l. .....lb. .31 - —
784-1, c.l., same basis.....lb. .25½- —
l.c.l. .....lb. .26 - —
807-1, c.l., same basis.....lb. .25½- —
l.c.l. .....lb. .26½- —
811-1, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24 - —
823-1, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25 - —
868-1, c.l., same basis.....lb. .29½- —
l.c.l. .....lb. .30 - —
869-1, c.l., same basis.....lb. .35½- —
l.c.l. .....lb. .36 - —
872-1, c.l., same basis.....lb. .29 - —
l.c.l. .....lb. .29½- —
873-1, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .26½- —
880-1, c.l., same basis.....lb. .26 - —
l.c.l. .....lb. .26½- —
1102-5, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25 - —
solid, 99, c.l., same basis.....lb. .46½- —
l.c.l. .....lb. .47 - —
X-315, c.l., same basis.....lb. .43½- —
l.c.l. .....lb. .44 - —
869, c.l., same basis.....lb. .49½- —
l.c.l. .....lb. .50 - —

S

SANTOLITE MHP, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis, lb. .35 - —
25,000-lb. lots, same basis.....lb. .36 - —
5,000-lb lots, same basis.....lb. .37 - —
1,000-lb. lots and less, same basis, lb. .38 - .40

K-5-H, 500-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
10,000-lb. lots, same basis.....lb. .38 - —
1,000-lb. lots and less, same basis, lb. .41 - .46

MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
5,000-lb. lots, same basis.....lb. .36 - —
1,000-lb. lots and less, same basis, lb. 36½- .41½

SARAN F-120 resin, c.l., works....lb. .52 - —
l.c.l., same basis.....lb. .54 - —
F-122 latex, approx. 56% solids contained, wood, bbls. (55 gals.), c.l., works..lb. .50 - —
l.c.l., same basis.....lb. .54 - —
10-gal. bbls., same basis.....lb. .60 - —

SCHENECTADY resins, SA-301, non-ret. dms., c.l., f.o.b. Schenectady, N. Y., transportation prepaid and alld. to dest..lb. .247 - —
l.c.l., same basis.....lb. .252 - —
SA-302, non-ret. dms., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .28½- —
SA-303, non-ret. dms., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
SCHENECTADY SA-305, non-ret. dms., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
SA-400, non-ret. dms., c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
SA-401, non-ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28 - —
SA-402, non-ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
SA-403, non-ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25½- —
SA-404, non-ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
SA-406, non-ret. dms., c.l., same basis..lb. .28½- —
l.c.l., same basis.....lb. .29 - —
SA-407, non-ret. dms., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
SA-408, non-ret. dms., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26½- —
SA-500, non-ret. dms., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
SA-500-A, non-ret. dms., c.l., same basis..lb. .26½- —
l.c.l., same basis.....lb. .27 - —
SA-501, non-ret. dms., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
SA-502, non-ret. dms., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26½- —
SCHENECTADY SA-503, non-ret. dms., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
SA-504, non-ret. dms., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23 - —
SA-505, non-ret. dms., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .27½- —
SA-508, non-ret. dms., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
SA-600, non-ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28 - —
SA-600-A, non-ret. dms., c.l., same basis..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
SA-601, non-ret. dms., c.l., same basis..lb. .31½- —
l.c.l., same basis.....lb. .32 - —
SA-604, non-ret. dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .28 - —
SA-605, non-ret. dms., c.l., same basis..lb. .31½- —
l.c.l., same basis.....lb. .32 - —
SP-30, non-ret. dms., c.l., same basis..lb. .21½- —
l.c.l., same basis.....lb. .22½- —
SP-40, non-ret. dms., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .23½- —
SP-41, non-ret. dms., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .23½- —
SP-60, non-ret. dms., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
SCHENECTADY SP-62, non-ret. dms., c.l., same basis..lb. .23½- —
l.c.l., same basis.....lb. .25½- —

Tankcar price is ½c. per lb. less than carload price. Freight is not paid or allowed to points south of Virginia and Kentucky, or west of the Mississippi River, excepting cities of St. Louis and Minneapolis. If shipments are specified by transportation means with rates in excess of minimum, the excess transportation will be charged to customer.

SILENE (see Calcium silicate hydrated under C in Current Market Quotations).

STAYBELITE ester, No. 1, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
No. 2, c.l., same basis.....lb. .20½- —
l.c.l. same basis.....lb. .21 - —
No. 3, c.l., same basis.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —
No. 5, c.l., same basis.....lb. .22 - —
l.c.l., same basis.....lb. .22½- —
No. 10, c.l., same basis.....lb. .21 - —
l.c.l., same basis.....lb. .21½- —
No. 101, c.l., same basis.....lb. .21½- —
l.c.l., same basis.....lb. .22 - —
No. 203-66, c.l., same basis.....lb. .22 - —
l.c.l., same basis.....lb. .22½- —

SYNTEX resins, H-3, 100% solids, non-ret. dms., c.l., f.o.b. Louisville, Ky..lb. .27 - —
l.c.l. same basis.....lb. .27½- —
9 (or 1922), 50% solids, non-ret. dms., c.l., same basis..lb. .26½- —
l.c.l., same basis.....lb. .27 - —

—Continued on page 61

emists and Executives of the Solvents and Chemical Consuming Industries

Swing To Tung Oil Varnishes Foreseen In Paint Industry

Trend Spurred By Current Availability of Tung Oil – Price Is Now Lower Than Linseed or Dehydrated Castor

The American paint industry is now expanding its production of oleo-resinous varnishes and vehicles for use in surface coatings, according to a reputable sour

that's why it's now ---Arochem 351

Because

– Arochem 351, a new hard resin of the polymerized ester gum type makes tung oil vehicles that are superior in quality to ester gum types – *at no extra cost!*

Because

– Arochem 351 is readily available in any quantity to meet your needs.

Because

– Arochem 351 possesses a higher melting point than ester gum . . . can be used to produce china wood oil varnishes that are characterized by maximum safety in the kettle . . . good color . . . high gloss . . . non-reactivity with reactive pigments such as zinc oxide. For samples and further information, write or phone your nearest U.S.I. office today.

Specifications

Melting Point (Mercury Method)	105-115°C.
Acid Value	10-20
*Color (Gardner Stds. '33)	8-10
Specific Gravity @ 25°C.	1.07-1.12

*50% Solution in M.S.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.
Branches in all principal cities

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Directed 1900-1942, by Harry J. Schnell
Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
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Advertising Petroleum

The petroleum industry is starting an advertising campaign designed to tell more than 50,000,000—including duplicates—readers of periodicals what it is doing to meet the ever-increasing demand for its products. The great amount of free publicity given to the shortages of fuel oils doubtless has something to do with the case; perhaps the items on the development of liquid fuels from coal also have contributed. With a fully assured market, the industry's bids for business heretofore have been but internally competitive.

Industrial consumers of natural gas in western Pennsylvania are greatly expanding the possibilities of producing their own. They feel that an integrated fuel supply may avoid, at least in part, the disruptions caused by shortages at external sources of supply. The petroleum industry does not yet face that sort of customer competition, in spite of all the talk of fueling farm machinery out of crop wastes.

There is, however, a trend in automotive engineering toward new fuels. Jet propulsion does not require high-octane gasoline: shale oil will do. But, a lot of shale would have to be handled to produce enough oil to fill even one hundred miles of that pipeline proposed from Colorado to California. Some day the automotive industry may take a more direct interest in fuel for its products. Whether in that it again would help the petroleum industry cannot be foretold. But, the petroleum advertising doubtless will make consumers feel safer about sticking to oil.

The Story of Business

Business is being urged on many sides to tell its story to its employees, to its customers, and to the world at large. The idea behind this advice is that, if everybody knew how business functions, what makes its wheels go round, and where the money goes, the American system of free enterprise based on the profit motive would have no cause to fear whatever the disciples and propagandists of the various other systems popularly classified as Communism might say against it.

Business is trying hard to tell itself its story. It is not doing a very informative, illuminative, or convincing job. Vagueness and uncertainty are all too predominant in what it has to say. The story has far too many versions.

The president of the Cotton Textile Institute recently declared that the economic structure of the United Sates is generally and basically strong and has no signs of weaknesses other than minor, local and temporary manifestations. About the same time, the president of the American Iron and Steel Institute was decrying the threat of the outlawing of basing-point pricing to satisfactory commercial relations. A politician told the iron and steel gathering that exports of steel to Europe must be held to a minimum. A steel concern's vice-president declared that that industry must make a major contribution to the economic rebuilding of Europe. A steel magnate argued that the voluntary method of allocating steel was essentially fair, practical, and wholly adequate. A judge in Chicago, in a case involving the "gray marketing" of steel, averred that the national economy was upset by such departure from a free market. "This court," he said, "is at your disposal to help you clean up the steel industry. You should take the opportunity to clean house with this court offering its help." The export license privileges of a New York exporter of steel have been permanently suspended because he altered licensed quantities. The president of the steel institute declared that, while industry's duty is to combat the upward spiral, the power to stop inflation rests primarily with government.

Who is going to tell the story of business? Who will admit that, while everything from government to organized labor has some part in the furtherance of high prices, the primary contribution is that of him who grasps some opportunity or other to make an excessive dollar? Who is going to say plainly why demand increases value and just what is profit? As the president of the Cotton Textile Institute said, "Inasmuch as the interests involved are naturally conflicting, rumors and propaganda add to the uncertainty." And man, led into temptation, is not always firm.

Stream Pollution Is Unwise

Compensation is a universal relationship. Whatever may have been the exact original meaning of the ancient saw, "One man's meat is another man's poison," somebody must make good the difference, just as in "One man's loss is another man's gain"—and all that sort of thing.

Industrially, the pertinent mot now seems to be "One firm's waste is another firm's problem." Industrial pollution of streams is beginning to put a big job of water purification on industries which must use water in their operations—and they are a large, indeed, majority.

So, the problem of stream pollution takes on an aspect of business relations, as well as one of public relations. The fellow next down stream may be a very important customer; or he may be a supplier, and the cost of making the water usable is one of the things which must be paid in the price of what he sells.

Stream pollution is not merely a difference of opinion between those who have waste to dispose of and those who believe that streams were made for fishing. It is a fundamental matter of human relations in all their manifestations. Also, it is a matter of industrial efficiency. Very often there is money in salvaged wastes. Some of it has not yet been found, but that often is because it has not been looked for. Utilization of waste is not an important objective in many modern methods. The reason therefor often does not stand close examination.

The chemical industry has a particular problem of waste disposal. It has done, in several instances, a particularly good job toward the solution thereof. Its technical knowledge of the value of all sorts of materials increases steadily. There is reason to believe that, through its also increasing recognition of possibilities, it will soon have no waste-disposal problem.

Washington Talks It Over

—*Continued from page 5*

000 in 1947 than in 1946 and an equal decrease in the number with incomes of less than $3,000, but the people are going into debt more rapidly than before.

The general financial status of consumers showed the first signs of weakening in 1947, in that fewer spending units held liquid assets at the end of the year and there was a substantial increase in total indebtedness. Most consumers, however, continue to have a strong financial status since incomes and employment are still at peak levels and well over two-thirds of all spending units still have liquid assets in their possession.

However, there is a tendency for a greater proportion of personal durable goods to be bought on a credit basis today than a year ago and for a somewhat smaller proportion to be bought through use of accumulated liquid savings. As the volume of such durable goods purchased continues to rise, however, increasingly larger amounts of liquid assets are being used in buying these goods, and there has been no slackening in the rate of turnover of such assets.

The outlook is that consumer expenditures for consumer goods and houses will continue in expanding volume and buying intentions for new cars still exceed expected production.

Export Licensing Speeded Up

The backlog of applications for licenses to export non-positive-list products to western Europe has almost been wiped out by the Office of International Trade. The agency has been issuing the necessary licenses faster than applications have been coming in for the past several weeks and soon it will be just a question of time consumed in the mails before a validated license is received.

The rapidity with which the licenses are being issued, because Congress has given the agency more funds to hire more people to do the job, has taken off OIT a lot of the heat for exemption of various products from the licensing requirement. Drug manufacturers, for example, applied several weeks ago for exemption of drugs and pharmaceuticals from the licensing requirement, but now that the licenses are being issued so rapidly, there has been nothing more heard of the request.

For those products which are not on the positive list and which are not being exported to any country behind the iron curtain, the issuance of licenses is just a matter of routine. While it does entail a burden on the exporter by reason of his having to fill out the necessary application, it gives OIT a way of checking at the same time just what products are going out of the country, and in what volume, so that there will be less chance of the products' slipping into the iron-curtain countries without this government's knowing it.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Peppermint Oil Outlook

The Editor,
OIL, PAINT AND DRUG REPORTER:
Sir:—

Recently it has come to my attention that certain interests are engaged in the broadcasting of propaganda to the effect that the production of oil of peppermint will reach huge proportions in 1948. What the object of this propaganda is I am not in position to say; but, in fairness to the trade in general, I believe your publication can render a valuable service.

In 1947, Oregon and Washington produced perhaps 40 percent of the total oil of peppermint production. However, in 1948, unless unforeseen favorable developments occur, Oregon and Washington will produce less than 50 percent of a normal yield.

I have been engaged in the production, distillation, and sale of oil of peppermint for more than twenty-five years here in Oregon, and I have no hesitancy in stateing that never in my experience have I seen crops looking so poor. We have had an extremely cold, wet, and unfavorable Spring season this year. Up to this writing there has been no "growing" weather, and less than half of the mint plants are above ground. Ordinarily our crops are from 6 to 9 inches high at this season, and of good healthy color. Not so this year. What plants are above ground have been set back by the cold, wet season, and it will take a real miracle to get anywhere near a normal crop. Most growers have resigned themselves to a half or less-than-half crop.

I believe the trade should be truthfully advised that it may protect itself accordingly. Thank you for your interest.

Portland, Ore. WILLIAM H. HAUPERT.

Tax Estimates Change

It's time for several million persons to revise their quarterly payments of estimated income tax in accordance with the reduced rates of the revenue act of 1948. Since these people had to estimate their 1948 tax on March 15, before Congress lowered the rates, they probably estimated under the old law, paid one installment on that basis, and have another installment coming due June 15.

The collectors of internal revenue have mailed bills for the June 15 installment in accordance with the original estimates. But they also mailed new estimate forms to be used by those taxpayers who wish to take advantage of the reduced rates by filing amended estimates. If an amended estimate is filed, the June 15 payment may be made in accordance with it. But, if the entire tax was paid on the March 15 estimated return, and it now results in an overpayment as a result of the reduced rate, the taxpayer will have to wait until next January to file for a refund.

The average wage-earner is not concerned with the estimates, since as a rule, he pays all, of nearly all, of his income tax, through the withholding system.

2,4-D Calculations Facilitated

A scale which can be graphed on an inexpensive slide rule for rapidly computing either the amount of material or speed of application for a 2,4D preparation has been developed by L. S. Evans, weed specialist of the Department of Agriculture. It offers a convenient device for county agents, contractors, and demonstrators who direct the application of large quantities of the chemical weedkiller.

The scale is drawn for four variable factors:—(1) The gallons of 2,4-D spray required per acre; (2) the miles per hour at which the equipment is driven; (3) the inches between nozzles on the spray boom; and (4) the gallons per hour discharge rate for the nozzles. With the sliderule, when any three of these factors are known and indicated on the scale, the fourth can be quickly found.

Mr. Evans has also developed a scale for use by scientists who test new formulas of the weedkiller. Designed to speed up the time-consuming calculations required in extensive tests, this scale shows (1) the amount of liquid or solids to be applied per square-rod; (2) the percentage of acid equivalent; (3) the percentage of active ingredients; and (4) rate of application in pounds per acre. When these factors are indicated on the scale, the rate of application can be quickly reckoned.

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MINNEAPOLIS (13)—110 N. E. Sixth St.
OMAHA (8)—702 So. 10th St.
STAMFORD, CONN.—Elm Court

Heavy Chemicals

Tin metal advanced 9c. per pound last week in the American market following a similar advance in London. The upward revision in the metal forecasts higher prices for sodium stannate, tin crystals and tin oxide. The new schedule for these tin based chemicals was not ready at press time although producers admitted that the revised costing process would be completed in a day or two. A producer of sodium silicate will advance prices on July 1. Higher prices named for chlorine, caustic soda and soda ash by a large producer effective July 1 have not been followed by other suppliers to date but revisions appear likely. Labor difficulties have not been settled at two plants making these materials and tension has increased for shipments of all of these chemicals with the shortage more acute in caustic soda and chlorine than in soda ash.

Copper sulphate stocks have decreased under heavy buying, the basic powdered grades showing some shortages at present. Calcium chloride has revealed improvement in distribution although the market position has continued tight. Difficulty in securing sufficient quantities of nickel has kept some producers of nickel sulphate from leveling off contract schedules. Zinc sulphate has remained in active demand for agriculture with Virginia and other peach growing states calling for seasonal quantities. Naphthenic acid has shown no indication of relaxing from its former tight supply condition and the paint trade has not been able to cover its requirements in full. Heavy demand for anhydrous ammonia has prevented any easement in the supply situation. Sodium sesquicarbonate stocks are not in free supply but meeting requirements on a fairly prompt basis. No new developments could be noted in any of the potash chemicals.

Paper production based on a percentage of six-day capacity was 98.9 percent for the week ending May 29, according to the American Pulp and Paper Association. This compares with 100.3 in the preceding week and 105.6 for the corresponding week in 1947.

Production figures appearing below unless otherwise designated are from the Bureau of the Census, Department of Commerce and the Chemical Division of the United States Tariff Commission.

Bauxite—Three additional reports in an 18-volume series describing the Government's wartime investigation of Arkansas bauxite, the principal ore of aluminum, have been issued by the Bureau of Mines. The reports released are as follows:—R. I. 4254, "Investigations of Arkansas Bauxite, Volume IV, Deposits in S. ½, T. 1 S., R. 11 W." This report covers drilling on the Fuller School, McClain, Cheatham, McClain-Burke-Nelson, Dixon, and Dixon Clay Deposits.

R. I. 4255, "Investigation of Arkansas Bauxite, Volume V, Deposits in N. ½, T. 1 S., R. 12 W." This report gives drill-hole information on the Olaf-Nelson, Vinson-Raines, Coe, Birnbach, Finnegan, Rauch Clay Extension, Glidewell, Price, Hempstead, and Dreher-Junkin-Herrod deposits.

R. I. 4256, "Investigation of Arkansas Bauxite, Volume VI, Deposits in N. ½, T. 1 S., R. 12 W (Continued)." This report covers drilling on the Rauch Clay, Dan Rauch, Peter Rour, Treadway, McGuire, Vinson, Dreher, Sipes, No. Ironton S. Ironton, and Brown deposits. Copies of the publications may be obtained free from the Bureau of Mines, Publications Section, 4800 Forbes street, Pittsburgh 13, Pa. They must be identified by number and name.

Carbon Disulphide — Production in March increased to 33,374,258 pounds, against 30,733,296 pounds in February and 30,159,133 pounds in January.

Carbon Tetrachloride—March production dropped to a new low for the first three months. The total was 17,327,714 pounds, compared with 17,740,263 pounds in February and 18,638,275 pounds in January.

Chlorine—Supply position has continued to tighten with pressure increasing for shipments. There has been no settlement of the labor difficulties at two large producing plants with the result that a sizable amount of tonnage has been taken out of the market. Higher prices announced by a large producer effective July 1 may result in price revisions at other supply points.

Copper Sulphate—Weather conditions over the past few weeks with wet days and cold nights have been ideal for the growth of fungi. This has occasioned an unusually heavy call for copper sulphate, particularly the basic powdered grades that go into solutions. It is stated that about half the current movement is being transported by trucks and that this is the popular way of transportation for a radius of 300 miles from producers' plants although there have been instances where Florida planters have dropped off a load of citrous fruit and carted back a load of copper sulphate. Stocks are going down regardless of the fact that some producers are working seven days a week including holidays. It is stated the army has dented the stockpile for 580 tons. The industrial demand is holding at a wartime level while export shipments to Latin America for banana treatment are fair but not unusual at the present time. Prices are firm and unchanged.

Glauber's Salt—Short stocks and heavy demand have created a firm market condition. March production amounted to 15,826 tons, compared with a revised total of 15,654 tons in the preceding month and 19,152 tons in March, 1947.

Nickel Sulphate—Supply situation reported tighter than during the first week of the preceding month. Demand has increased for plating use particularly for an undercoat for chrome. In some instances production is slightly behind schedule although in general, the market shows a satisfactory degree of balance. Nickel carbonate and nickel chloride have been moving out promptly.

Salt Cake—Production of commercial crude in March amounted to 53,862 tons, compared with 48,528 tons in the preceding month and 50,907 tons in March 1947. Continued heavy shipments to the glass and paper trades have prevented any accumulations of stock.

Soda Ash—Higher prices named by a large producer effective July 1 may result in price revisions by other suppliers although no announcements have been made to date. The supply situation has tightened as a result of the continuance of a strike at an important producing plant in Ohio and the pressure for shipments has been reflected at other producing points. It was stated that this cutback production has prevented some producers from leveling off their contract schedules.

Soda, Caustic—Strike conditions have not been settled at two producing plants and the removal of this tonnage has added tension to the tight market supply condition. Higher prices named in one producing quarter effective July 1 have not brought out any announcements from other suppliers to date although it is considered likely that price revisions may follow shortly. Demand has been sustained at an unusually high level.

Sodium Phosphate—Production of monobasic in March amounted to 1,194 tons, compared with 829 tons in the preceding month and 1,242 tons in March last year. Output of meta registered higher at 3,461 tons in March, against 2,609 tons in February and 2,741 tons in March 1947. Production of tetra in March was 6,105 tons, compared with 5,103 tons in February and 4,252 tons in March 1947.

Sodium Silicate—Contract prices will be advanced by a large producer on July 1. Tankcars will range from 80c. to 85c. per 100 pounds. Solid will be priced at $40 per ton in bulk. Spot carlot prices for liquid will be 5c. per 100 pounds and solid $2.50 per net ton higher than contract prices. All prices are f.o.b. the works.

Sodium Sulphate—March output of

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
208.0	208.0	208.3	199.3

Acids

Last week.	Prev. week.	Last month.	Last year.
119.9	119.9	119.9	119.3

(For Current Prices see Page 9)

anhydrous refined was higher at 14,220 tons, compared with 12,256 tons in the preceding month and 11,967 tons in March of last year.

Zinc Sulphate—Market situation strong with producers at present absorbing higher metal costs and increased freight rates. In some supply quarters it was stated that such conditions may be reflected in prices before long. Production has kept the market in balance with a steady demand. Shipments to Virginia and the peach growing sections were particularly heavy during May.

Acids

Acetic—March production of synthetic was higher than for any month in the first quarter. The total registered 35,746,342 pounds, compared with 30,544,594 pounds in the preceding month and 31,892,453 pounds in January. The amount of recovered acid in March was 142,867,484 pounds, against 126,085,765 pounds in February. Production of natural amounted to 2,165,385 pounds, compared with 2,079,052 pounds in February. The latter was made by direct process from wood and acetic acid distilled from calcium acetate.

Naphthenic—No relaxation from the tight supply position of this market could be noted. The most pronounced scarcity at present is in the rectified grade (230-240 acidity). Demand is active with manufacturers of paint-driers experiencing some difficulty in covering requirements promptly.

Oxalic—Stocks were not any freer at the turn of the month. Producers continued to confine shipments to regular contract consumers with the movement behind schedule. Spot prices at present are under the control of resellers who demand premiums over contract figures.

Phosphoric—Production in March was the highest on record. The total amounted to 106,246 tons and included 53,712 tons made from phosphorus and 52,534 tons made from phosphate rock. The total output in February was revised to 90,601 tons and production in March, 1947, was 89,050 tons. No relaxation of demand from the pharmaceutical or beverage trades could be noted and the market's supply position remained tight.

Sulphuric—Market conditions firm with tankcars available for immediate and prompt shipments at former prices. Maintenance of heavy production has placed the market in better supply although the shortage of containers at some supply points has made it rather difficult to sustain regular distribution.

Non-Ferrous Metals

Aluminum — Production in April amounnted to 106,553,273 pounds of primary metal in April and shipments 105,400,869 pounds of sheet, plate and strip, according to the Aluminum Association. Output was 2,804,637 pounds higher than in March while shipments were 19,806,073 pounds lower.

Copper—Market situation has remained firm and tight with June output heavily sold against contracts. July sales were restricted because books were not opened for shipments next month. It was stated that it will be necessary to import about 500,000 tons of foreign copper annually to meet domestic requirements and that the price will be regulated by what consumers in other countries pay for it. The current price for domestic electrolytic copper delivered Valley basis is 21½c. per pound.

Lead — Secondary smelter recovery of lead, tin and antimony from purchased lead and tin-base scrap totalled 40,983 tons in February according to the Bureau of Mines. Lead scrap receipts at smelters' plants increased 5 percent over January, consumption was down 4 percent, and stocks, which had shown a declining trend for the past year, were up by 2 percent at the end of the month. Production by the secondary lead industry in February totaled 47,091 tons, of which 33,203 tons were secondary pig metals, 7,205 tons were fabricated products and 6,683 tons were pig, bar or ingot containing 50 percent or more of primary metal. The last figure includes 5,137 tons of secondary metal recovered at plants producing mostly primary lead-base products.

Lead Scrap—Lead-base scrap and residues treated during February totaled 55,789 tons compared with 58,300 tons in January. However, the average daily rate of activity was higher in February. Treatment of battery plates, solder scrap, soft lead and cable lead was lower in comparison with January consumption, but increased conversion was shown in lead babbitt, antimonial lead scrap and type metals. Stocks held by smelters at the end of February totaled 53,216 tons consisting of 22,810 tons of battery plates, 9,589 tons of solid metal scrap and 20,817 tons of drosses and residues.

Quicksilver—Production in the first

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quarter of 1948 continued at a relatively high rate, only 9 percent below the quarterly average for 1947, according to the Bureau of Mines, despite an almost uninterrupted price decline since March, 1945, and continuing threats of a virtually complete mine shutdown. The persistent downtrend in prices resulted in an average of about $77 a flask in January to March, 1948, the lowest since 1938 and close to the level of December of that year, whereas the general commodity price index for 1947 was almost double that for 1938. Imports in the first quarter of 1948 amounted to more than three-fourths of the quantity for the entire year 1947 and substantial increments were in prospect for April. Consumption slightly exceeded the high rate attained in the final quarter of 1947, with gains in use for agricultural purposes partly offsetting an unexpected loss in consumption in the new dry cell.

Quicksilver—Jan.-Mar.

	Flasks	
	1948	1947
Production	5,300	6,100
Imports	7,814	4,100
Exports	79	241
Consumption	10,600	9,000
Stocks, consumers, dealers	16,100	17,100
Producers	4,011	3,182

Importations of 3,300 flasks from Cadiz were noted last week.

San Francisco, June 3.—The quicksilver market was quiet. Little spot metal was available. Producers were quoting metal between $79 and $81 per flask, f.o.b. this city.

Silver—No new developments materialized last week. The market was officially quoted at 74⅝c. per ounce for silver bullion at New York.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Jan. 2, 1948—74⅝c.	Jan. 2, 1948—45d.
Low	Jan. 2, 1948—74⅛c.	Jan. 2, 1948—45d.

Tin—Grade A tin was advanced 9c. per pound last week by the Tin Sales Corporation, selling agent for the Reconstruction Finance Corporation. The new price is now $1.03 a pound. The advance followed an increase in London of 10 percent in buying prices for Malayan tin metal and about the same increase for Nigerian tin concentrates. The buying price for Malayan metal is increased from £504 (about $2,016) a ton ex-smelters works (Penang or Singapore) to £554. That for Nigerian concentrates is raised from £485 10s to £535 10s a ton of tin in ore, f. a. s., Nigerian port. The selling price of Malayan metal is raised from £505 10s to £555 10s a ton ex-smelter. The Ministry also announced that the United Kingdom selling price of tin of minimum 99 percent up to under 99.75 percent tin content will be increased to £569 a ton, f. o. b. United Kingdom port or delivered to United Kingdom consumers works. The previous price was £519 a ton.

It is expected that the Egyptian Ministry will commandeer all available tin stocks in that country to meet the present scarcity of the metal, Cairo states. About 12,000 tons of tin are consumed in Egypt annually.

Zinc—Despite a 13 percent gain in the use of zinc in the manufacture of brass and bronze products, the total domestic slab zinc consumption in January remained virtually unchanged from December, 1947, according to the Bureau of Mines. Total receipts of slab zinc at consumers' plants dropped 19 percent in January. The only industry group to report a gain in receipts was rolling mills. Secondary slab zinc production at 9 operating secondary redistillation plants totaled 2,831 tons, including 406 tons of intermediate, 517 tons of brass special and 1,908 tons of prime western. Production of intermediate and brass special grades increased but output of prime western grade decreased. In addition to stocks held at producers' and consumers' plants, 10,776 tons of slab zinc were in transit to consumers' plants. Of the total tonnage in transit 95 percent was in the forms of prime western, special and regular high grades. Total smelter production for January amounted to 72,777 tons. Stocks on January 31 were 55,423 tons.

Shell Starts Building New Detergents Plant

Shell Chemical Corporation has started construction of the first unit of a projected plant for making oil-derived synthetic detergents at Wood River, Ill. The plant will process raw materials from the Shell Oil Company's nearby refinery. The unit under construction will manufacture an intermediate for the production of finished detergents.

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Named to Sales, Process Posts by Va. Smelting

Dr. Daniel W. Duncan (left) and W. F. Luckenbach jr, have been appointed head of the chemical engineering process improvement section and manager of industrial sales, respectively, of the Virginia Smelting Company, West Norfolk, Va. Mr. Luckenbach was formerly associated with the Foote Mineral Company, Philadelphia, and he has also done sales work for the Rohm & Haas Company. Dr. Duncan was formerly associated with Procter & Gamble at its plant in Cincinnati, Ohio.

Inorganic Chemistry Session To Be Held June 28-30

Progress in varied fields of chemical science and technology, from new industrial developments to the study of recently discovered radioactive elements, will be reported at a three-day symposium to be held by the division of physical and inorganic chemistry of the American Chemical Society at Syracuse University, June 28 to 30.

The visiting scientists will be guests of the society's Syracuse section, of which Dr. Otto Kay of the Solvay Process Company is chairman. Dr. Arlie P. Juden has been appointed chairman of the local arrangements committee, and Dr. W. C. Fernelius, head of the chemistry department of Syracuse University, is general chairman of the symposium. General theme of the meeting will be the properties, structure, and thermodynamics of inorganic compounds, or compounds containing no carbon.

Bradley Mining Plans New Antimony Smelter

The Bradley Mining Company is planning the construction of a $1,000,000 antimony smelter at Stibnite, Idaho. The smelter, scheduled for completion during the latter part of next year, is to be designed with sufficient capacity to treat the output of the company's nearby mine and to offer custom smelting service to small producers.

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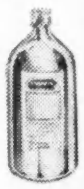

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Purchasing Agents

—Continued from page 7

ary when business successfully withstood the shock of the nose-dive in farm commodity prices, adding "at almost any other time in our business history that would set off a panic chain reaction, spelling a sharp recession or leading to a depression. There was no panic. Business could take it."

Armament Program Decried

In contrast to Mr. Swanton's optimistic views, Martin R. Gainsbrugh, chief economist of the National Industrial Conference Board, warned that "each dollar spent for armament in the months ahead will push us steadily away from the possibility of absorbing the unparalled inflation of World War II and toward a new sequence of hyper-inflation.

"This revival of basic economic forces may not be visible for some time, because short-term factors such as longer and more widespread vacations, further readjustment within consumption patterns, the necessity of retooling and for 'lead-in' time to build up stocks of 'bits and pieces' for the major tools of war, may obscure the underlying trends. But with each passing month 'Rearmament II' will become the growing determinant of how materials and labor shall be allocated.

"Initially this allocation will come through market forces, bringing with it the cost-induced elements of inflation. Later as increasing billions of dollars are paid out to consumers for the production of military goods for which consumers cannot bid, growing elements of demand-induced inflation will be added.

"Production will rise, even though we are apparently near capacity, because of the greater weight given aircraft and armament in the Federal Reserve Board's index of industrial production.

"Prices will rise, particularly for manufactured goods, as the result of cost and demand pressures combined. Because of improved crops abroad and consumer stocks at home, prices of foods and farmstuffs may be relatively insensitive to these pressures for some time, thereby restraining increases in the cost-of-living index. In contrast, prices of manufactured goods particularly of durables, may move up toward parity with nonmanufactured price levels."

Summing up the change in the economic outlook brought about by "Rearmament II," Mr. Gainsbrugh said: "We were slowly approaching a price level under which we could live and remain both solvent and strong a few months ago. We are now embarked upon a new adventure with inflation which may not be so favorably resolved.

"Through higher direct and indirect taxes government will gain further controls over the economy if other types of controls are not adopted first. The sapping character of 'Rearmament II' is not sufficiently stressed. It comes after the world's costliest war, followed by a period of hyper-full consumption and hyper-full capital replacement.

"The prolonged character of 'Rearmament II' is also foreboding. Little prospect of reducing its strain exists, unless we engage in the costlier process of war itself."

Labor Policies and Effects

Another warning of impending inflation came from Leo Wolman, professor of economics at Columbia University, who said that current labor policies and their effects are being unfolded in a setting of obvious and powerful inflation.

Pointing out that the causes of this state of affairs are the results of the methods of war financing and postwar financial policies, Prof. Wolman said, "at the present time the budget of the Federal government is the force which is acting to reinforce and perpetuate these powerful inflationary trends.

To the extent, he added, that public spending rises with additional military appropriations, the program for foreign aid and suggested extensions of Federal spending for social insurance, housing and education, these forces become more powerful and irresistible. "At this stage of an inflationary movement," the speaker continued, "the great risk is that cumulative influences will begin to make themselves felt. Large construction projects of business and local governments which were postponed because costs were too high and promised to be lower in the visible future may now be undertaken because costs may go still higher and the need for the postponed facilities become increasingly pressing.

Copper Tax Repeal Urged

Congress should repeal the excise tax

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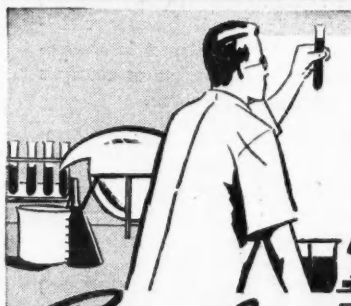

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on copper rather than merely suspend its imposition, according to John A. Danaher, attorney of Washington, D. C., and former United States Senator from Connecticut. "There should be no barrier to the availability for American industrial use of an adequate supply of an essential raw material which cannot domestically be produced in quantities sufficient for our needs," the speaker said.

"One certain course is open to us, and that is that we import as much copper as possible, as cheaply as possible and as soon as possible. Outright repeal or a long-term suspension of the excise tax on copper imports is essential. Reduction of the tax from 4 cents to 2 cents per pound affords no adequate answer, inasmuch as the import price will lead to increases of the domestic price as well.

"If all factors remain constant, if all production continues on schedule, at best there will be just enough copper to go around. At worst, if some unforeseen circumstances shall occur to reduce available supplies, there can be a serious shortage. Viewed from Washington, the copper situation is tight—and it can be tighter."

Nonferrous Metals Forum

At a forum session on nonferrous metals, the supply and price aspects of copper, lead, tin, zinc, mercury, magnesium, brass and bronze were discussed. The chairman of the session was Russell G. Wenz, of the Philadelphia Company, Pittsburgh, and among the panel members were:—Erwin H. Doht, Mallinckrodt Chemical Works; Charles Frink, Dow Chemical Company; Thomas D. Jolly, Aluminum Company of America, and Carl A. Ilgenfritz, United States Steel Corporation.

Speaking on the current situation with regard to tin supplies, Mr. Ilgenfritz said that in view of the special circumstances now governing tin, controls should be continued until such time as world supplies are adequate to fulfill all needs on a non-restrictive basis. He said that removal of controls at this time might cause the Russian government to bid for tin supplies at prices that would cause shortages in other countries.

With regard to lead, the buyers felt that supplies may become slightly more available if the duty is suspended, but that not sufficient material will come from abroad to appreciably alleviate the tight supply situation. Agitation for an increase in zinc prices was reported by some members, but most of those in attendance said that major producers and smelters have resisted any movement in price.

Petroleum Supplies Predicted

While petroleum supplies and demand over the next twelve months are expected to increase at about the same rate, the necessity of refilling depleted supply pipelines will put a tremendous extra burden on the petroleum industry, A. J. McIntosh, economist of the Socony-Vacuum Oil Company, warned at the fuel oil forum held as part of the meeting.

Foreign developments, too, may further complicate the industry's job in supplying petroleum products for the ever-increasing demand, Mr. McIntosh added, pointing to the possibility that larger oil shipments from the Caribbean area to Europe may be needed under the Marshall plan should supplies from the Middle East be cut off or sharply reduced due to the fighting there.

"Looking at the supplies of raw materials available and the demand forecasts," the speaker said, "it seems to me that the petroleum industry can take care of all of the present users of light fuel oils during the next Winter. I think also that there are enough supplies in sight to provide oil heat to new homes if the percentage of those homes looking to oil is not radically changed from the past."

Steel Situation Discussed

Shortages of some steel products have yet to reach their height but given a fair trial through cooperation of all concerned, our present voluntary control system should provide a means for the nation to get along without mandatory controls, Hiland G. Batcheller, President of the Allegheny Ludlum Steel Corporation, stated.

"Essential programs requiring steel, such as aid to the countries of Western Europe, mobilization, housing, atomic energy and freight cars must be fulfilled," Mr. Batcheller said. "They cannot help but widen the gap between supply and demand of certain products still further but they are considered vital to our domestic economy."

Summing up the present expansion plans of the steel industry, the speaker emphasized that "while the critics have been shooting, the steel industry has quietly and systematically (if somewhat belatedly) planned and initiated the installation of new steel-making capacity totalling 5,500,000 tons since the war's end, including of course, all the necessary auxiliaries such as coke plants, and so forth.

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Colorado Chemical Corp. Names Sales, Plant Heads

The Chemical Corporation of Colorado, Denver, has appointed Hyman Gold divisional sales manager of its new sales office at 201 North Wells street, Chicago, and has named Russell Ryland divisional sales manager of the states of Oklahoma and Kansas.

In addition, the corporation has appointed Dr. Dana Sherrill plant superintendent of its agricultural chemicals plant in Denver, effective June 10. Dr. Sherrill was formerly professor of chemical engineering at Denver University, and was previously associated with the Heckerthorn Corporation in an engineering capacity.

Bemis Bro. Establishes Cleveland Sales Office

Bemis Bro. Bag Company, St. Louis, Mo., has established a new sales office in Cleveland, Ohio, and has placed Neely J. Leake in charge of it. Mr. Leake joined the company twenty-eight years ago, and has been its sales representative in northern Ohio for twenty-seven years.

Plant Food Council

—Continued from page 7

council, and there will be papers entitled "Factors Influencing the Efficient Use of Fertilizers," by Dr. R. E. Yoder, field research supervisor, Ohio Agricultural Experiment Station, and "Agriculture Needs a Permanent Long-Range Program," by Senator Scott W. Lucas, of Illinois.

In the afternoon the annual golf tournament will be played and there will be a showing of the council's sound motion picture, "First in the Hearts of Farmers."

Tuesday, June 15

There will be an agricultural editors' breakfast forum on the subject, "The Farmer and Private Enterprise," with Louis H. Wilson presiding. Taking part in the discussion will be Dr. Paul D. Sanders, editor, "The Southern Planter"; Paul C. Johnson, editor, "Prairie Farmer"; Dr. L. R. Neel, editor, "Southern Agriculturist," and Carroll P. Streeter, managing editor, "Farm Journal."

At the morning convention session there will be an address on "Radioactive materials in Fertilizer Research," by Dr. Frank W. Parker, assistant chief, Bureau of Plant Industry, Soils and Agricultural Engineering, Department of Agriculture. Second speaker at the session will be Representative August H. Andresen, of Minnesota, who will deliver an address entitled "Food for Thought."

Principal speaker at the annual banquet in the evening will be Dr. Francis P. Gaines, president of Washington and Lee University, who will take as his topic "The First and Final Frontier."

NAIDM Completes Program

—Continued from page 7

chandising, disinfectant scientific, aerosol, public purchases, and sprayer committees, and of the disinfectant section of the chemical analyses committee.

Tuesday, June 15

The following papers will be presented at the morning session:—"Pine Oil in Scrub Soaps," by A. B. DuBois, Fuld Brothers, Inc.; "Selling Cleanliness and Sanitation," by Dr. W. W. Peter, Institute of Inter-American Affairs; "Operation of the New Federal Insecticide Act," by W. G. Reed, chief of the insecticide division, Production and Marketing Administration, and "Work of Chemical-Biological Coordination Center of the National Research Council," by Dr. Roger B. Friend.

Wednesday, June 16

There will be round table discussions on "What Has Happened to the Insecticide Business," with Ira P. MacNair as moderator, and "Wax Products—Federal Trade Commission Trade Practices," with Melvin Fuld, of Fuld Brothers, and John D. Conner as moderators.

In addition, there will be papers on "Rat Control Program Report," by Harold Noble, S. B. Penick & Co., and "Pictorial Presentation of Joint United States-Canadian Biting Fly Studies at Churchill," by Dr. C. R. Twinn, department of agriculture, Ottawa, Canada.

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Agricultural Chemicals

Sales of menhaden fish meal were reported at lower prices last week with the market assuming a more competitive position as the production season progresses. Trading in packing-house byproducts was not unusually active but there was enough support from the feed trade to sustain former prices. Production of castor pomace is said to be entirely under contract. Ammonium sulphate was exceedingly firm with stocks scarce and demand active for both spot and future shipments. Some of the producers of this material are temporarily oversold and are not inclined to consider offering future contracts until the market is brought into a better state of balance. Stocks of ammonium nitrate have continued short. Canadian producers of nitrate as well as cyanamide have completed this season's shipments and are awaiting the announcement of allocations for 1948-1949. Potash producers have continued busy writing contracts for the new season. All shipments of French potash have been completed for this fertilizer year. Importations of sodium nitrate are practically finished with only a few more shipments to arrive this month. Superphosphate has attracted more attention for future requirements and it is expected that prices for the new season will be announced shortly. The recent advance in phosphate rock prices has contributed strength to the market situation in superphosphate.

At present the outlook for the year beginning July 1 is considered favorable for the greatest production of fertilizer materials. It is stated that in the fiscal year 1946-47 approximately 16,000,000 tons of fertilizers were used and about 11,000,000 tons of this total went into mixed goods. Official estimates of raw materials available for this year indicate increases in nitrogen of 4 percent, phosphoric acid 9 percent and potash 5 percent. With completion of new plants and capacity operation at existing plants, a total production of 17,000,000 tons of all fertilizers, including 12,000,000 tons of mixed material is probable. Almost two-thirds of the fertilizer tonnage used by domestic farmers is provided in the form of mixed goods containing nitrogen, phosphoric acid and potash.

Tag sales in the fifteen states for the first quarter of the year, January-March, totaled 4,084,000 short tons, an increase of 11 percent over the 3,678,000 tons reported for the same period last year. With the exception of the 4,114,000 tons recorded for January-March, 1946, sales during the three-month period were the highest on record.

Nitrogenates

Ammonium Sulphate—Demand has continued. Active and considerably beyond the available supply of coke-oven material. It is stated that some producers are oversold at present and are not eager to name future contract prices until the market is brought into a better state of balance.

Bones—Under the categories of bones the exportation of which is permitted from Brazil, subject to an export license, have been redefined by an order issued by the Brazilian Minister of Finance, according to a report from the Embassy at Rio de Janeiro. According to the order, long and hard bones, may be exported subject to a prior export license.

Bone Meal—Any increased production resulting from the resumption of operations by the big packers has not relieved the tight supply condition of this market to date. Both feed and fertilizer buyers are finding stocks of raw and steamed meal scarce for prompt shipment.

Castor Pomace—Sold ahead position of output has placed prices in a nominal condition. Last sales were at $27.50 per ton f.o.b. the works.

Cyanamide—Shipments have been just about completed for this season. Producers are awaiting the announcement of the allocation for 1948-1949 and expect to know how much stock can be brought in from Canada within the next few days.

Fish Meal—Sales in the Baltimore area were reported at lower prices under competitive influences. The price range was from $125 to $130 per ton, according to test. Fish scrap was unchanged at $110 per ton.

Sodium Nitrate—Chilean nitrate importations have practically completed the season's allocation. A few more arrivals are expected during the month which should wind up the movement by June 30. The new season's allocation has not been announced but is awaited with interest.

Tankage—Prices have been sustained at $6.50 per unit of ammonia here and in the West. Trading was not unusually active with the feed trade showing moderate interest.

Market Trends

Prices Advanced

None

Prices Reduced

Fish meal, menhaden $10 per ton.

Comparative Price Indexes

(1910=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
74.5	74.5	74.5	71.5

(For Current Prices see Page 9)

Phosphates

Phosphate Rock—Continues in tight supply although distribution has shown improvement in some areas. It is stated that heavy rains in sections of the Middlewest have temporarily checked the demand for full contract deliveries while at several other points demand has increased. Some good inquiries for export are reported which may develop into a sizable volume of business later in the year.

Superphosphate—Inquiry is increasing for future shipments and producers expect to place a volume of business fully equal to that of the preceding year. Basic conditions prevailing in this market are firm but producers are apparently satisfied to temporarily await clarification of circumstances before naming future contract prices.

Potashes

Contracts for 1948-1949 have commanded the attention of domestic producers during the past week and a sizable amount of business has been placed. According to trade reports, it is estimated that production for the new season will show an increase of about 5 percent. All contract shipments of French potash have been completed. The price paid was 95c. per unit at American ports.

In 1947 the State-owned Mines Domanales de Potasse d'Alsace, France, had an output of 3,250,000 metric tons, according to the organization's annual report. Production by the privately-owned Kali-St. Therese mines amounted to 920,000 tons.

Los Angeles Fertilizer Market

Los Angeles. — Inquiry for agricultural chemicals was steady. Supplies are limited. Prices are unchanged. Delivery of chemicals has been slow. Ruling prices are:—Ammonium nitrate, $72.04 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16/20 grade f.o.b. Los Angeles, and $89.50 per ton for 11/48 grade f.o.b. this city. Ammonium sulphate, $46 in bulk, $48.50 in bags. Blood meal, $6 per unit of ammonia at source. Bone meal, $60 to $62 per ton for steamed 1 x 30 meal. Fish meal, $152.75 per ton f.o.b. Los Angeles for 65 percent California sardine meal. Sodium nitrate, $49.50 per ton in 100-pound bags; $5 off for bulk. Potassium muriate, 45½c. per unit f.o.b. Trona basis; bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $20.20 f.o.b. this city, bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Spot sales have continued to predominate in this market with the volume of business showing an increase for the week. It is stated that the market is temporarily a weather affair. Lead arsenate is firm and inclined to tighten. There is still hesitation about placing future contracts regardless of the fact that some producers are willing to place protective price clauses in their contracts. Copper chemicals are an exception to the general rule with demand exceedingly active for spot and prompt shipments.

Benzene Hexachloride—March productions was the highest for any month during the first quarter according to the Chemical Division of the United States Tariff Commission. The total amounted to 1,567,593 pounds, compared with 1,352,282 pounds in February. The gamma isomer content of hexachlorocyclohexane was 211,903 pounds in March, against 184,878 pounds in the preceding month.

DDT—March production was down to 2,002,469 pounds, the lowest monthly total for the first quarter. February production was 2,224,776 pounds and January output registered 2,331,546 pounds, according to CD. Stocks are reported ample to meet current requirements and the market holds a competitive position although no price changes have been announced.

An official report from British Guiana states that weed killers are now admitted at the same rate of duty as fertilizers and insecticides, that is, 2 percent ad valorem under the British preferential tariff and 5 percent ad valorem under the general tariff. (Weed killers were formerly dutiable at 16⅔ and 33⅓ percent, respectively.)

Sulphur and Pyrites

Domestic demand for native sulphur has been maintained at a satisfactory seasonal average. Stocks are sufficient to permit prompt shipments with no shortage of transportation at present. Export trade has slackened off under conditions previously noted. Arrivals of Spanish pyrites have continued irregular as a result of cutback production at supply points occasioned by a shortage of power. Prices were unchanged.

For Late Market Developments, See Page 4

SULPHUR
Commercial Flour
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Magnolia Brand Conditioned Dusting Sulphur
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Coaltar Chemicals

Ten products in the intermediates group showed price increases last week, but the basics remained entirely firm. No basic products showed changes, however, and the weekly price index remained unchanged.

Seven acids went up in price. They were:—Gamma, J, L, Laurent's, Neville and Winther's, S and Tobias. Also showing advances in price were R salt, Schaeffer's salt and anthroquinone.

Basic coaltar chemicals were still in short supply, but demand for them was heavy. The industry was reported doing all it could to bring production levels up to demand, but despite its best efforts there were shortages being felt in the market for many items. Some of the smaller paint and varnish manufacturers in recent weeks had been demanding less material, but despite these decreases the overall supply situation was one of tightness and there were no immediate prospects of easing it to any material degree.

Steel production in the United States was scheduled at 96.0 percent of capacity last week. This represented a decrease of 0.8 point from the previous week. The operating rate was equivalent to 1,730,400 tons of steel ingots and castings, as compared to 1,744,800 tons in the previous week, 1,697,400 tons a year ago and 1,281,210 for the average week in 1940, the highest pre-war year, according to the American Iron and Steel Institute.

Figures used in this report are from the United States Tariff Commission.

Market Trends

Prices Advanced

Acid, gamma, 10c. per lb.
J, 22c. per lb.
L, 7c. per lb.
Laurent's, 10c. per lb.
Neville and Winther's, 4c. per lb.
S, 21c. per lb.
Tobias, 3c. per lb.
Anthraquinone, 10c. per lb.
R salt, 7c. per lb.
Schaeffer's salt, 4c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
152.8	152.8	152.8	133.8

(For Current Prices see Page 9)

Basic Products

Benzol—Prices continued to hold firm for this product during the past week. Supplies were still tight but increased operations in the steel industry, resulting from the settlement of the coal strike, had done a bit to increase production. Figures on production, in gallons, during the first three months of the year were: motor grade, coke oven operators, January, 1,210,717; February, 856,788; March, 833,928; all other grades, tar distillers and from petroleum, January, 1,178,998; February, 1,073,647; March, 1,191,891; coke-oven operators, January, 12,842,769; February, 12,069,988; March, 13,327,285.

Cresol—This item was still in very short supply last week. Demand was heavy and gave all indications of continuing that way for some time to come. The synthetic resin and plasticizer industries had in recent weeks been demanding less of this item than heretofore, but the decline was not sufficient to affect the supply position of the material to any great extent. The price schedule remained unchanged. Production of cresol, in pounds, during the first three months of the year was as follows: metaparacresol, January, 582,893; February, 710,696; March, 903,960; orthometaparacresol, January, 611,428; February, 625,658; March, 686,410.

Cresylic Acid—Prices remained firm and unchanged and the supply of the material remained as tight as it had been in recent weeks. Demand for the item was running at high levels and producers were trying as best they could to keep up with the requests for it, but conditions in the industry today made that attempt something short of a complete success. Imported into New York last week were 524 drums from Liverpool, 70 from Rotterdam and 97 from Manchester. Reaching Philadelphia were 167 drums from Liverpool.

Naphthalene—The demand for this material for moth repellents this year was less than anticipated, with the result that more of the material was diverted into industrial use, but that did not help the supply situation to any great extent. The material was still reported to be in very short supply and production, although operating at as high a rate as possible, could not catch up with it. Prices, however, remained firm and unchanged during the week. Production figures for this material, in pounds, during the first three months of the year were as follows: tar distillers, crude, solidifying at less than 79° C., January, 14,142,778; February, 17,960,905; March, 19,381,642; coke oven operators, crude solidifying at less than 79° C., January, 8,531,490; February, 8,123,490; March, 9,008,707.

Phenol—This material continued in largely the same position during the past week that it had been in for some time. Supplies of it were still very short, and although there were added supplies in England, the British, despite their need for dollars, preferred to keep the material at home for their own industrial use. Demand continued to be heavy, and American producers without the aid of imports from England found it impossible to satisfy the entire market for the material. Prices, despite the conditions in the industry, held firm. Production of the material, in pounds, during the first three months of the year were: January, 25,973,126; February, 24,721,206; March, 26,862,527. These figures are for synthetic and natural, technical and USP.

Pyridine—There were no changes in either the denaturing or refined grades last week. The former was easily available but there was still a tightness in the supply situation for the refined material.

Solvent Naphtha — Although smaller segments of the paint and varnish manufacturing industries had been taking less of this material in recent weeks because of a slow-down in those fields, the supply of this material was still tight and on the whole demand for it was still running strong. Prices remained firm and unchanged during the period under review.

Toluol—Demand for this item continued strong last week, but supplies of it were not adequate to satisfy the requests being made, and as a result some would-be buyers were feeling the pinch. Despite this condition, prices for the material continued firm and unchanged. Production of the material, in gallons, during the first three months of the year was as follows:—coke oven operators, January, 2,427,900; February, 2,304,878; March, 2,456,277; all others, January, 3,744,034; February, 5,561,714; March, 4,656,842.

Xylol—Consumers were just about able to find enough of this material to satisfy current needs, but they could not go much beyond that. The material, in general, was still in tight supply and the demand for it was reported to be strong. The less-carload demand was off somewhat and made the situation slightly easier, but not enough to clear up the entire condition, however. Production of this material, in gallons, during the first three months of the year was as follows:—from coal-tar and from petroleum, January, 3,517,549; February, 5,027,712; March, 5,658,467. Prices for the material during the period just completed were firm and unchanged.

Coke By-Products

Estimates of by-product cokeoven operations in the week ended May 29 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,195,480
Ammonia sulphate	lbs.	30,956,640
Benzol	gals.	3,901,640
Coaltar	gals.	14,471,000
Creosote oil	gals.	805,376
Naphthalene, crude	lbs.	1,912,768
Phenol	lbs.	226,512
Toluol	gals.	779,208
Xylol	gals.	176,176

Intermediates

Acid, Betaoxynaphthoic—The demand for this item was still reported to be at high levels during the period under review, but production was such that producers found themselves unable to meet all the requests that were being felt for the material. One major producer of the item last week raised his price to $1.43, works, in barrels. This change brought the range of prices to $1.25 to $1.43.

Acid, Broener's—This item continued to be quoted at the old figure of $1.34 in barrels last week. Prices held despite the exceptionally strong demand that was being

For Late Market Developments, See Page 4

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made for the material. Suppliers reported that they were in receipt of large numbers of orders for the material but that their production facilities were such that, despite their best efforts, they were unable to completely satisfy the market for the item and the best they could do was try to stretch their stocks as far as possible so that buyers could all get a fair share of the material.

Acid, Cleve's—There were some reported reductions in demand coming from the dyestuffs industry, which had in recent weeks slowed down operations to some extent, but these reductions in orders were still not sufficient to have any appreciable effect on the supply condition of this acid. The lessened ordering had helped to some small extent, but the general demand for the product was still reported to be at such high levels that producers of it were having an extremely difficult time in trying to keep their production rate up somewhere near the demand for the item. Despite this very tight condition, and also despite the fact that a number of other acids had changed in price recently, Cleve's mixed was still being listed at the old quotations of 61c. to 65c. in barrels.

Acid, Gamma—There was an increase in price for this item from $1.03 to $1.13 reported by one producer last week. Others were still quoting the material at the higher level of $1.20. There continued to be a tightness in the supply situation, although there was no noticeable falling off in demand, and producers found it necessary to bend all their efforts in an attempt to keep production up somewhere near a level where they could satisfy as many of their customers as possible under present conditions.

Acid, H—There were no real changes in the market conditions for this material during the past week. Demand was still reported to be running at high levels. This, despite the fact that in recent weeks there had been some falling off in demand from the dyestuffs industry. The decreased orders from the dyestuffs makers, however, were not sufficient to cause any great improvement in the overall supply picture. It had an effect, but it was only a minor one. There were no changes reported in price schedules during the past week, and the material was still available for 50c. a pound.

Acid, J—An increase from $2.42 to $2.64 a pound was reported by one producer of this material last week. This established the price range for the material at $2.64 to $2.66. Demand for it continued to run at strong levels and despite all that producers of the material could do, they were still faced with the situation in which demand for the product exceeded supply.

Acid, L—One producer of this material last week announced a price increase from 73c. to 80c. a pound. This made the new price range 80c. to 95c. Supply of the item was still very tight, but demand for it was reported to be at high levels. Producers were doing all they could to make as much of the material as possible but their efforts to keep manufacturing up to demand were not entirely successful, with the result that some buyers of the material were feeling the pinch when it came to satisfying their needs for the item.

Acid, Laurent's—One producer of this material, last week advanced his price to 80c., thus bringing it in line with the quotation of other producers. Demand for the material continued to run high during the week and producers reported that despite their best efforts, production of the item was not sufficient to satisfy the market entirely.

Acid, Neville and Winther's—A producer increased his price on this material during the past week to 84c. a pound, as compared to the previous price of 76c. This made the new price range for the material 80c. to 84c. a pound. Suppliers reported that the amount of material available for distribution was still not as great as they wished to see it despite all they could do towards keeping their manufacturing facilities up to a high point. Demand continued to be strong and buyers of the material were having difficulties in obtaining the material in the quantities needed and at the time they required it.

Acid, S—A price increase to $2.79 on this material was reported last week by one of the major producers. The range, as re-established, was $2.75 to $2.79. Demand continued to run at high levels, but the supply was not entirely adequate to meet it and producers were hard pressed to keep their facilities running up to a point at which they could satisfy as much of the demand for the material as possible.

Acid, Tobias—An increase from 62c. to 65c. was reported by one producer of this material during the past week. Supply of the material was still not sufficient to satisfy the entire demand that was being

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made for the product. The item had been in short supply for some time and despite the fact that producers were doing all possible to increase production of it, they were still unable to make enough to fulfill the needs of the market.

Anilin—Prices remained unchanged on this material during the period under review, and demand was still strong but in reasonable balance with supply. Production of the material in pounds, during the first three months of the year amounted to the following: January, 9,488,617; February, 7,443,059; March, 9,469,356.

Anthraquinone—The price of the 99.5 percent went up from 70c. to 80c. a pound last week, as the item continued to be in as strong a demand as ever. Supplies, however, were not entirely adequate to meet it despite the best efforts of the producers to satisfy the market.

Phthalic Anhydride—There was still a shortage of this item on the market last week. Demand was heavy and showed all indications of continuing that way for some time to come. Production of the material, in pounds, during the first three months of the year was as follows: January, 12,433,117; February, 12,047,503; March, 14,082,027.

R Salt—An increase in price from 63c. to 69c. was reported by one maker of this material last week. This set the price range at 69c. to 70c. There was still a considerable demand for the material being felt. Supplies of it were short, however, and despite the best efforts of the producers, they were still unable to bring the supply and demand situation into balance.

Schaeffer's Salt—One producer of this material last week advanced his price from 56c. to 62c. a pound. This re-established the range at 60c. to 62c. Producers of the material reported that the demand for it was still running as high as ever and that supplies, when examined against the demand, were short of the mark. All that was possible to increase production was being done, but it was still not sufficient to balance the picture.

Styrene — The combined government and privately owned plants in the country during the first three months of this year produced, in pounds, the following amounts of this material: January, 26,005,410; February, 30,866,539; March, 30,295,312. Prices of the material were reported unchanged during the past week.

Coaltar Products 1947 Import Totals Listed

Imports of finished coaltar products entering this country during 1947 have been reported by the United States Tariff Commission.

For customs purposes, coaltar products are classified as either competitive or noncompetitive. A competitive product is one which accomplishes results substantially equal to those accomplished by a similar domestic product when used in substantially the same manner, and for these products the basis for assessing the ad valorem duty is the American selling price of the competitive domestic article.

The ad valorem duty for non-competitive products is assessed on the basis of United States value, which is the value in this country of previously imported prototype merchandise less certain allowances for import duty and other items.

The totals for the various types of finished coaltar products imported last year are as follows:—

	Number of products	Quantity pounds	Foreign invoice value	Unit value per pound
Dyes (not including color lakes)—				
Competitive (duty based on American selling price)*	45	156,114	$160,461	$1.09
Noncompetitive (duty based on U.S. or foreign value)*	323	1,094,245	1,856,369	1.70
Medicinals and pharmaceuticals—				
Competitive (duty based on American selling price)	8	3,033		
Noncompetitive—				
Duty based on U.S value	7	10,685	129,371	7.19
Duty based on foreign value	15	4,273		
Flavor and perfume materials—				
Competitive (duty based on American selling price)	21	20,785	81,716	3.93
Noncompetitive—				
Duty based on U.S. value	3	17	2,031	18.93
Duty based on foreign value	15	90		
Other products—				
Competitive (duty based on American selling price)	5	5,903	4,318	.73
Noncompetitive—				
Duty based on U.S. value	9	125,096	48,823	.39
Duty based on foreign value	3	1,177		
Total	454	1,432,018	$2,292,089	$1.60

* Quantity has been corrected to the standards of strength established by the Secretary of the Treasury.

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Petroleum Derivatives

There was little of note to report in the petroleum derivatives market during the week. The price picture was firm. Supplies continued tight, while demand remained unchanged.

Both aromatic and aliphatic materials were available in limited quantities only. According to one trade source, petroleum toluol and xylol were due for considerable tightening within the next four to six week. The aliphatics shortage, induced by stepped-up gasoline production, was expected to continue throughout the summer months, a normally heavy motoring season.

Lighter fractions were in good supply, although propane was expected by one maker to become shorter within the next month. Good supplies of butane were anticipated until, at least, early September.

Solvents and Diluents

Cleaners' Naphtha—Some consumers were experiencing difficulty in locating stocks last week, as derivative makers continued to limit aliphatic production. Good quantities were still being received by regular customers, however, but the overall situation remained tight. Prices in all areas were maintained.

Protective Coatings Solvents—Continued tightening of aromatic supplies was reported in the market during the week. Although resumption of full-scale buying by protective coatings manufacturers had still not come about, at least one producer of petroleum toluol and xylol stated that the entire output of that company was being taken up. The transportation situation was good in the main, although sporadic delays continued to crop up in isolated areas. Prospects for the future, according to the spokesman of one supplier, are bleak, with stocks expected to narrow considerably within four to six weeks. Meanwhile, the price structure was constant in all areas.

No substantial changes were reported during the past week for higher boiling range aromatics and aliphatic-aromatic blends. Generally speaking, both types of materials were in short supply, although certain grades of blends were said to be in good availability. Listings were without variance.

Stepped-up gasoline production continued to put the squeeze on aliphatic supplies. The sacrifice of aliphatic output for increased quantities of gasoline was said to be working a hardship on many users, particularly those who consume large quantities of mineral spirits.

Meanwhile, the expected increase in the differential between steel-drum and tank-wagon listings on the East Coast failed to materialize last week. However, it was the view of one trade source that the rise was inevitable.

Lacquer diluent was on short rations during the week. Interest, fortunately, was low, but the overall supply situation continued short. Regular customers were said to be reasonably well supplied. Prices were stable.

Hardest hit of the aliphatics were mineral spirits and stoddard solvent. Buyers of both materials were said to be extremely hard-put to locate sufficient stocks to meet minimum requirements. Many regular customers, however, were reported to be receiving volume shipments, but others were running very short. Price-wise, the market was without change in all areas.

V. M. & P. naphtha, despite the decline in interest from makers of industrial finishes, was also limited last week. Stocks were reported to be better for this solvent than for other aliphatics, but the supply situation was by no means good. Demand, though not especially strong, was steady enough to provide continuous pressure on existing stocks. Prices were firm.

Rubber Solvents—Stocks were similarly narrow for these materials last week. Demand was constant, though not intense, and prices were stable in all areas.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 22 totaled 221,722,000 barrels, according to the Bureau of Mines. Compared with the total of 221,772,000 barrels for the preceding week, this represents a decrease of 50,000 barrels, comprising a decrease of 61,000 barrels in stocks of domestic crude and an increase of 11,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 7,200,000 barrels, an increase of 152,000 barrels.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Markets at Other Centers

Los Angeles—Excellent call was reported for all petroleum specialties during the week. Stoddard solvent and petroleum spirits, 50 to 199 gallons, 19.2c.

Lighter Fractions

Liquefied petroleum gases continued at previous supply levels, as butane and propane quotations held firm. The easier situation in butane was expected to last throughout the summer months, although propane stocks were due for some tightening within the next few weeks, according to one trade source. Heptane, hexane and pentane were similarly free. Demand was on a par with levels of former weeks. Prices held.

Los Angeles—Inquiry for lighter fractions remained excellent. However, supplies were limited. Prices were steady. Propane was quoted at 6.8c., f.o.b. Ventura, Cal., and butane was named at 7.3c., ex tax, that city.

Waxes

Paraffin—This section was without change during the week. On the producer level conditions were still described as tight. Spot dealers, however, maintained that they were able to provide paraffin in almost any quantity, with some resale quotations still reported to approximate producers' listings.

Los Angeles—Supplies remained scarce. Call was excellent. Prices were steady. High melting point, 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 10.15c. per pound. High melting point, 157-162 ASTM, carload, loose slabs, 14½c., f.o.b. refinery.

Miscellaneous

Crude Oil—The American Petroleum Institute reported daily average production for the week ended May 22 at 5,439,000 barrels, or 16,000 barrels above the total of the preceding week. Daily average crude runs to stills of 5,587,000 barrels were 53,000 barrels below the level of the preceding week, and 572,000 barrels above the week ended May 24, 1947. At the same time, the Bureau of Mines forecast that the amount of domestic crude petroleum that will be consumed or exported in June will average 5,560,000 barrels daily. The forecast for June includes estimates of a total gasoline demand of 82,500,000 barrels, total crude runs to stills of 5,580,000 barrels daily, and a gasoline yield from crude of 41 percent. Arrivals last week aggregated 470,681 barrels of crude oil from Puerto La Cruz and Cartagena.

White Mineral Oils—Following recent 3c. per-gallon reductions for all grades, New York prices were stable during the week. Current market quotations are listed below:—Technical white oil, 50-65 viscosity, drums, carload, New York, 45c. per gallon; 50-65 viscosity, l.c.l., New York, 48c. to 52c. per gallon; 65-75 viscosity, drums, carload, New York, 48c. per gallon; 65-75 viscosity, l.c.l., New York, 51c. to 55c. per gallon; USP, 80-90 viscosity, drums, carload, New York, 52c. per gallon; 80-90 viscosity, l.c.l., New York, 55c. to 59c. per gallon; 125-135 viscosity, drums, carload, New York, 64c. per gallon; 125-135 viscosity, l.c.l., New York, 67c. to 71c. per gallon; 145-155 viscosity, drums, carload, New York, 66c. per gallon; 145-155 viscosity, l.c.l., New York, 69c. to 73c. per gallon; 175-185 viscosity, drums, carload, New York, 69c. per gallon; 175-185 viscosity, l.c.l., New York, 72c. to 76c. per gallon; 200-210 viscosity, drums, carload, New York, 73c. per gallon; 200-210 viscosity, l.c.l., New York, 76c. to 80c. per gallon; 335-345 viscosity, drums, carload, New York, 81c. per gallon, and 335-345 viscosity, l.c.l., New York, 84c. to 88c. per gallon.

For Late Market Developments, See Page 4

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Textile and Leather Chemicals

Conditions in the textile and leather chemicals market underwent little, if any change last week. Trading in sizing materials was confined chiefly to prompt requirements, though a steady request continued for deliveries against current contracts. There was no change in quotations which were well maintained for the entire list. Production of potato starch has ceased for the season in Maine and moderate unsold stocks were closely held by grinders prevailing prices. Inquiry for potato starch for domestic use was fair, while export demand was reported quite active. Corn derivatives remained steady, reflecting high production costs. Corn starch was in light demand, and in plentiful supply, but prices remained steady. Corn dextrin was still in tight supply, and production was readily taken on former orders. Trading in new crop tapioca flour continued spotty with the better grades receiving more interest than the medium and lower varieties.

Tanners continued to show little interest in tanning materials replacement last week. Although tanning operations were reported on a larger scale, tanners it was stated held supplies for requirements during the next 3 to 6 months and only light trading was expected until late summer months. Despite the lack of demand, prices for shipments were unchanged and generally maintained. Most tanning materials were available in sizable quantities, except mangrove bark and wattle extract. Inquiry for the latter was active and orders for large tonnage would have been placed if supplies were available.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
375.5	375.5	375.5	314.4

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Production was indicated at 64,849,357 pounds in March, compared with 58,183,746 pounds, in February and 62,700,326 pounds in January, according to the Tariff Commission. Market was steady and reflected the shortage of basic materials. Prices were maintained at former levels.

Aluminum, Acetate—Tight supply condition continued to keep this market in a firm position. Scarcity of basic materials has reduced production. Prices were without change.

Bichromates—Active consuming demand absorbed the output against former contracts. Supplies of resale material continued scarce and has affected export business. Quotations were maintained at former levels.

Soda, Acetate—This market was steady and unchanged. Supplies were tight as a result of the shortage of basic materials. Demand was active, with quotations unchanged.

Sulphonated Oils—Demand was reported fair and mainly for prompt requirements. Prices of all grades were unchanged and steady.

Sizing Materials

Albumen, Egg—Steady demand was reported for immediate and prompt deliveries. Market was generally steady, though fair sized lots it was stated could have shaded quotations slightly. Edible flake prices ranged from $2.59 to $2.70 per pound, depending upon seller and quantity. Demand for technical was quite active. Supplies were light and held at $1.55 to $1.60 per pound, according to quantity. The output of dried albumen was indicated at 336,000 pounds in April, against 188,000 pounds for the same month last year. Dried egg produced during April totaled 3,213,000 pounds, compared with 9,788,000 pounds during April last year. Output consisted of 1,475,000 pounds of whole egg, 336,000 pounds of dried albumen and 1,402,000 pounds of dried yolk. Production of dried egg during May will show a considerable increase over that of the past few months because the government started purchasing dried eggs during May in order to support the price of eggs to insure the producer 90 percent of parity. Purchases started May 12 and totaled 5,960,000 pounds to June 2, including cancellations. Prices were $1.26 per pound barrels and $1.28, fiber containers.

Albumin, Blood—Recent ten weeks strike cleaned up stocks of blood albumin and dried soluble blood. Producers reported that it will take about two months to dispose of a backlog of orders and to take care of prompt shipments in order received. Prices of both materials were unchanged.

Corn Sugar—While demand for tanners sugar was limited, market was steady at current quotations.

Dextrin, Corn—Sold up production continued to delay deliveries against former orders. Demand was active. Prices were unchanged and well held.

Egg, Yolk—Demand was fairly active for prompt delivery. Supplies were slightly more liberal. Market was steady with prices ranging from 95c. to $1.05 per pound, depending upon quantity and seller. Production totaled 1,402,000 pounds in April, against 730,000 pounds during the same period last year.

Sago Flour—This market was quiet but steady. Supplies on the spot were held at 8¼c. to 8½c. per pound, according to quantity. Primary market was firm and this was reflected in the local situation.

Starch, Corn—While demand was fairly active for delivery against former contracts, there was little improvement in the consuming inquiry for nearby and future requirements. Supplies were reported as liberal, but were well held because of high cost of production. Prices of all grades were maintained at current levels.

Starch, Potato—Trading was reported light and spotty, chiefly for prompt requirements. Offerings were not liberal, owing the shutting down of production in Maine. Grinders were quoting on the basis of 8½c. per pound, carlots, and smaller quantities at 9¼c. to 9½c. per pound on the spot.

Tapioca Flour—Trading was restricted to supplies on the spot. Market was quiet, but steady. Offerings for shipment were more liberal and well held. Inquiry for replacements continued light and was confined to the better grades, though volume of business for new crop to date was said to be light. The better grades on spot were in limited supply and held at 10¼c. to 10½c. per pound and mediums ranged from 9½c. to 9¾c., according to quantity.

Tanning Materials

Chestnut Extract—Consuming demand was featureless and it was reported showed a reduction of about 17 percent, for the first quarter of the year. Prices were fairly steady and unchanged.

Divi Divi—Trading was reported inactive. Offerings for shipments were light and closely held at current quotations. Consuming inquiry for replacements declined appreciably during the past fortnight. Imports totaled 5,275 bags at New York last week.

Mangrove Bark—Buying interest for shipment continued active, but trading was restricted owing to the scarcity of exportable bark at production centers. Prices were unchanged and firm.

Myrobalans—Offerings for shipment were quite liberal but tanners continued to show little interest in this product. Recently heavy quantities were booked for shipment, which are arriving and replenishing inventories. Quotations were unchanged and more or less nominal.

Quebracho Extract—Trading lacked improvement last week. Offers for shipment were available at current quotations, but tanners were working off good sized inventories of most tanning materials. Prices for shipment were unchanged and well held.

Valonia—Business was reported slow. Higher asking prices for shipment cancelled a moderate inquiry for replacements. Beards and cups for shipment were steady. Powdered extract was firm and was recently advanced to 11c. per pound, exdock, duty extra. Arrivals of 14,069 bags of cups and 2,354 bags of valonia extract powdered were noted at New York last week.

Wattle—Conditions in this market remained firm. Inquiry for extract for shipment was reported active, with trading limited owing to scarcity. Tanners were seeking sizable quantities for nearby and forward requirements. Bark attracted less interest than the extract. Quotations were unchanged and firmly held. Imports of wattle bank totaled 4,340 bales and 8,220 bags of extract at Atlantic ports last week.

For Late Market Developments, See Page 4

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For the Bookshelf

THE SULFONAMIDES AND ALLIED COMPOUNDS. By Elmore H. Northey, Ph.D. American Chemical Society Monograph Series. xxvii+660 pages. New York: Reinhold Publishing Company, $12.50.

The sulfa drugs and their relatives are a family of more than 5,000 members, relatively newcomers in medicine, chemotherapy, and chemistry, but exercising a powerful influence in therapeutic practice and synthetic research. The literature of the sulfas grew even more rapidly than the numbers of the group, consequently, it has been spindly and tangled and somewhat weedy. Dr. Northey, as administrative director of the American Cyanamid Company's Stamford laboratory, had, not only a goodly part in the development and discussion of the new-type antibacterials, but also an appreciation of the need for an adequate and reliable record of the wide and rapid progress in the field, at both the production and the application levels. He has attempted such a record in this book. He has had able collaborators in all areas of the task. The result is an informative compilation from 2,668 listed sources and from individual experimental experience of data which medicine, pharmacy, and chemistry must have.

Most of the pages of this necessary book are filled with polysyllabic names and expansive chemical formulas, with relevant physical and therapeutic properties closely attendant. Even the chapter which has to do with "simple sulfanilamide" derivatives contains chemical names containing as many as eighty-one letters, figures, and other characters. And there aren't enough indexes to keep track readily of all the compounds to which textual reference is made. When it is to be seen that there are twenty tradenames for sulphanilamide alone, at least some idea of the complexity of the sulfa nomenclature can be got. The chapter on "complex sulfanilamide" derivatives is not for the general practitioner of medicine or the corner druggist.

Aside from the eruditely informative chapters on structures and activities of the thousands of sulfa compounds, the usefulness of this book is timely and great in its presentation of tests in chemotherapeutic evaluation and of the pharmacologic aspects of the sulfas in chemotherapy. Pharmacologists will welcome also the extensive presentation of theories of the mechanism of action of sulfa drugs, with an able critical evaluation of such theories. There is a wealth of practical usefulness also in the discussion of the clinical evaluation of sulfas and their clinical toxicities. From the opening history of bacterial chemotherapy to the last line in the general index, Dr. Northey provides much information that is necessary and worthwhile.

PRINCIPLES OF COLOR AND COLOR MIXING. By J. H. Bustanoby. xi+131 pages. New York and London: McGraw-Hill Book Company. $4.50.

Bustanoby, who has had much practical acquaintance with color as a teacher and consultant, assumably set out to blaze a trail through the maze of complexities and conflictions in which color has long been swaddled, to an understanding of its purposes. It is not difficult to follow him. And he does present an understandable thesis on what color is and does.

Outstanding in usefulness in this book is the relatively simple system of color identification and evaluation, the base of which is the Bustanoby color circle. This system is applicable to a wide range of standard and popular hues, tints, tones, and shades, ninety-six of which are shown in actual color. The system includes 242 formulas for mixing the colors with which it has to do, with a full-color master key to color mixing.

Other parts of the book contain an encyclopedia of pigments and mediums, and a dictionary of color terms. The esthetic and psychologic influences of color on human living are interestingly set forth. The whole is a well-constructed guidebook to useful and pleasurable appreciation and application of color.

Apex Chemical Expanding Elizabethport Facilities

Apex Chemical Company, New York, has awarded a contract for about $80,000 for construction of an addition to its manufacturing buildings at its plant in Elizabethport, N. J. The plant manufactures industrial chemical products for the textile, leather, paper and related industries.

Woburn Appoints Price To Board of Directors

Woburn Chemical Corporation, Kearny, N. J., has appointed Everett W. Price to its board of directors and to the board of its affiliate, Woburn Degreasing Company, Woburn, Mass. Mr. Price joined the Woburn organization in 1935 as assistant treasurer, and has been its treasurer since 1942.

Russell Chemical Opens New Houston, Tex., Office

Russell Chemical Company, New Orleans, La., has opened an office at 2301 Commerce street, Houston, Tex. A. M. Russell will operate the new office, which will handle the company's line of industrial chemicals and paint raw materials.

Trade Briefs

Commonwealth Engineering Company of Ohio has appointed Malvern J. Hiler vice-president in charge of customer relations.

R. R. Koch has been appointed manager of the Chase Bag Company's newly acquired Los Angeles plant. He has been with the company since 1923.

American Viscose Corporation has named Robert E. Smith assistant manager of its rayon staple sales division, to succeed S. Reed Anthony, who has resigned.

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Drugs and Fine Chemicals

Stability of prices characterized the drug and fine chemical markets last week, although USP acetanilid was advanced by a major producer by 10 cents per pound. Other producers were currently holding firm, as was also the technical material, but price considerations were being studied in view of advancing raw material, labor and accumulated freight costs. The market position, however, of acetanilid so far as demand and production were concerned was off, due for the most part to increased interest in competitive material. Tartar emetic was advanced 3c. per pound. Aminopyrine was advanced 50 cents per pound.

Supplies of amyl acetate for use as a solvent in lacquers and other cellulose materials and as an extraction liquid for the separation and purification of penicillin, were generally short. The shortage was due to insufficient fusel oil available, so far as the fermentation product was concerned. Ethyl acetate continued to be quoted by different producers under a 2 cent per pound price spread. The position of butyl alcohol and butyl acetate had by last week shown very considerable easing, due to lessened demand. Formaldehyde and pentaerythritol, two vitally important chemical intermediates were in a much better supply position due to the easing of methanol from which they are made. Increased production of methanol made this alcohol more generally available, but it could not be described as free.

Castor beans, meanwhile gained $5 a ton after a drop the previous week of some $20 per long ton and the market was essentially unchanged from that status. Menthol was still somewhat unsettled due to the high levels of price demanded at prime sources. The spot market after a series of advances held firm last week in the range of current quotations.

The results of Lofoten cod fishing to May 1 was reported at 112,048,000 kilos of fish as compared with 208,669,000 kilos in the corresponding period of last year.

Sales of 165 drug wholesalers in March increased 17 percent in comparison with February sales, according to the Bureau of the Census. Compared with March, 1947, a 10 percent gain was noted. Dollar volume of sales in March, 1948, was $43,710,000. Inventories of 126 wholesalers in March were up 5 percent over February, and were 4 percent higher than March, 1947. The dollar value of inventories was $58,047,000.

Acetanilid — USP acetanilid was advanced last week by a major producer by 10c. per pound, making quantity shipments of 2,000 pounds to be quoted at 40c. instead of the former 40c. Other producers to date had not advanced their prices, but the matter was under consideration. Advancing raw material and labor costs, as well as accumulated increases in freight rates were given as the cause which forced up the selling price. Meanwhile, the technical material was holding firm but with no assurance that it could hold to current levels.

Demand was reported as off considerably due to interest in competitive materials, and production was down. March production dropped to 190,955 pounds for the total of technical and USP material, as compared with 582,961 pounds in February and some 444,000 pounds in January.

Acetone CP — This material remained unchanged from the firm market position which has been maintained over recent weeks. Prices were holding firm in the range of 8c. to 8½c. per pound in tankcars. The Tariff Commission reported March production at 37,766,701 pounds, an increase over the February production fixures of 35,342,525 pounds. Demand for solvent uses in the manufacture of acetate rayon, and in photographic and cellulose products was reported as steady although some of these industries were currently operating at a somewhat reduced level due to lessened demand for their finished products.

Acetylsalicylic Acid—Demand for this material for the compounding of aspirin and aspirin containing products remained strong. Prices were firm and unchanged. March production as reported by the Tariff Commission increased to 1,053,583 pounds from the February level of 984,691 pounds.

Alcohol — Data on alcohol were released May 26 by the Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on supply, production withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of April, 1948, in comparison with April, 1947.—

Market Trends

Prices Advanced

Aminopyrine, 50c. per lb.
Castor beans, $5 per long ton.
Tartar emetic, 3c. per lb.

Prices Reduced

Ethyl acetate, natural, 99% grade, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
254.8	**254.8**	**252.5**	**253.7**

(For Current Prices see Page 9)

Production

	Proof gallons	
	1948	1947
Ethyl	27,413,280	23,556,435
*Completely denatured	367,884	1,655,279
*Specially denatured	12,944,021	12,015,354

Withdrawals

	Wine gallons	
	1948	1947
†Ethyl, tax paid	2,845,915	2,555,319
tax free	24,122,616	28,092,647
*Completely denatured	356,983	1,655,279
*Specially denatured	12,850,869	11,808,707

Stocks

	Gallons	
	1948	1947
†Ethyl	31,000,709	26,149,957
*Completely denatured	126,851	90,894
*Specially denatured	1,575,422	1,621,470

* Wine gallons.
† Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in the Aprils of 1948 and 1947, were as follows:—

	Pounds	
Corn and corn products	15,089,819	73,312,022
Rye and rye products	.....	.....
Malt and malt products	1,999,791	6,590,918
Wheat and wheat products	.....	118,779
Sorghum grain and sorghum grain products	3,208,956	163,973
Other grain	.....	.....
Total grain	20,878,566	80,185,692
Potatoes and potato products	10,055,662	12,803,720
Cassava and cassava products	.....	1,473,127
Other materials	136,780	63,795
	Wine gallons	
Molasses	15,740,758	7,502,378
Ethyl sulphate	9,443,753	8,080,230
Sulphite liquors	20,164,100	18,797,000
Potato products	.....	.....
Wood sugar liquors	.....	222,577
Other materials	1,291,029	1,073,170
	Proof gallons	
Products used in redistillation	3,385,829	1,850,050

Amyl Acetate—The market position of amyl acetate of the technical grade manufactured from fusel oil was tight. Supplies were generally insufficient to meet the heavy demand for ester solvent used in lacquers where the 85 to 88 percent grade is widely used. Prices of this grade held firmly to the level of 29c. per pound in tankcars, while the high test grade was quoted at 30½c. per pound. The latter was finding significant volume usage for the isolation and purification of penicillin. The tight market position was due to lack of sufficient fusel oil for production.

The total production of normal amyl acetate and isoamyl acetates of the 90 percent grade was reported for March by the Tariff Commission as 1,282,705 pounds, a marked increase over the February level of 895,071 pounds.

Aminopyrine—Increased raw material and manufacturing costs caused an advance of 50 cents per pound on this item last week. Supplies were described as somewhat short, but more readily available than in recent months.

Apomorphine—The supply situation on this narcotic was described as ample to meet all requirements, although the demand was generally on the increase at the expense of regular morphine materials due to the faster analgesic action and requirement of smaller doses. Prices were firm and unchanged from levels established last October of $23.70 per ounce.

Ascorbic Acid and Salts—There was no reported price change in ascorbic acid materials, with the acid holding firm to levels of $24.50 in 500 kilo lots. Demand was steady and relatively strong. March production was reported by the Tariff Commission as having increased from the February level of 63,849 pounds to 128,775 pounds.

Butyl Acetate—Solvent demand for this ester was generally off from levels of recent months with the supply position accordingly considerably improved. This situation was a reflection of the lessened demand stemming from the protective coatings and other industries by virtue of their reduced operations. Prices were firm and unchanged with no price changes anticipated in the immediate future.

Butyl Alcohol—Producers of the normal fermentation material reported the supply position as relatively easy compared with recent months, due for the most part to an overall lesser demand from such in-

For Late Market Developments, See Page 4

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dustries as the synthetic resin and protective coating manufacturers. Quantity shipments could be had with prompt delivery under a firm price schedule which remained unchanged from levels maintained over recent weeks. Producers in both the East and Mid-west areas were quoting freight allowed tankcars at 31½c. per pound.

Tariff Commission reports indicated that the production of primary normal alcohol during March totaled some 10,619,183 pounds, a slight increase over the February figure of 9,900,117 pounds.

Castor Beans—The market position of castor beans reversed itself on last Thursday by advancing to $140 per long ton, f.o.b. Brazilian ports. It was a rise of $5. Arrivals last week totaled 6,193 bags, equivalent to 928,950 pounds for the second consecutive week of low imports. Imports the previous week amounted to 3,365 bags equivalent to 504,750 pounds. The corresponding week one year ago, imports totaled 11,963 bags, or 1,794,450 pounds.

Total arrivals since January 1 of this year became 585,085 bags equivalent to 82,762,750 pounds, as compared with the corresponding period of last year when the quantity stood at 770,987 bags, or 115,634,050 pounds.

Codeine—The alkaloid and its salts were reportedly in ample supply under steady demand. Alkaloid prices were firm at levels of $13.25 per ounce in lots of 100 ounces, while the salts were quoted at $11.85 for the hydrobromide, $10.25 for the phosphate, and $10.75 for the sulphate.

Codliver Oil—Ordinarily, statistical data relating to the catch of cod and the production of oil in Norway is released in this market steadily each week as such advices reach here from the origin. This year, such data has not been readily obtainable here since it became clear that Norwegian production in 1948 would fall far below the record peak of 1947.

From other that local sources, however, it has been learned that the total oil production to May 1 was at least 53 percent below that in 1947 for the corresponding period of time, while the drop in the catch of fish was at least 41 percent. Hence, it is clear that the yield of oil per liver this year falls below that in the 1947 season.

Data concerning the catch to May 1 is as follows:

	Fish Kilos	Oil Hectolitres
1948	112,048,000	48,104
1947	208,662,000	105,829
1946	169,984,000	96,023

These were the results of Lofoten fishing and it is still too early to ascertain the results in Finmark.

Imported last week were some 1,611 drums of oil from Iceland.

Ergosterol—The production of this vitamin material in March was reported as 1,005,491 million units as compared with the revised figure of 942,199 million units in February.

Ethyl Acetate—The 99 percent grade of natural ethyl acetate was reduced ¼c. per pound last week. Natural fermentation material of the 85-88 percent grade was reportedly in good demand in a fair supply position. The various grades of ethyl acetates were currently still quoted under a 2c. per pound price spread between different major producers, and this situation was largely due to differences in alcohol costs. Prices in tankcars on a freight allowed basis stood at 16c. to 18c. per pound for the 85-88 percent grade, 18½c. for the 95-98 percent grade, and 16½c. to 18¾c. for the 99 percent grade. The NF material was unchanged from the drum price of 30c. per pound prevailing over recent months.

The Tariff Commission reported production of the 85 percent grade during March as 5,849,777 pounds, as compared with the February figure of 5,711,863 pounds.

Ethyl Ethers—The total production figures as compiled by the Tariff Commission on the production of technical and U.S.P. material was 3,333,390 pounds, an increase over February production of 3,181,100 pounds.

Ethylmorphine Hydrochloride — This narcotic was quoted at a firm price of $11.85 per ounce in 100-ounce lots. Like the other narcotics, it presented a very stable price position, there being only one change made in the last ten to twelve years, when prices advanced in October of 1947.

Ethyleneglycol—This material, which was finding wide use in explosives, synthetic resins and as an engine-cooling liquid, was currently quoted at firm prices prevailing over recent months. March production showed a decided increase over the February level of 23,061,563 pounds, and was reported by the Tariff Commission to have increased to 28,584,178 pounds.

Formaldehyde—The easing of the methanol supply position as a result of increased production, made this important chemical more freely available. Prices were firm and unchanged. On a 37 percent by weight basis, the Tariff Commission reported March production at 60,105,226

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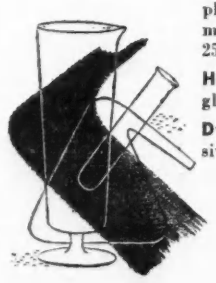
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pounds, an increase over February production of 51,927,967 pounds.

Menadione, USP—This material having vitamin K activity was quoted at 10c. per gram. Demand was steady and supplies were ample and available for prompt shipment.

Menthol, U.S.P.—The Brazilian market remained quite strong, and quotations for shipment were said to be maintaining their position of around $9.45 per pound. The situation at the prime source was the reverse of what would be expected in a normal market, because the prime market is now at its peak production period with crops heavy. There was, at the same time, very little prospect of obtaining any significant quantity of menthol from China or Japan, but if these markets were in a position to open up, the menthol price structure would take a sharp drop, according to feelings expressed in most quarters. New York spot prices in case lots was stated to be in the vicinity of $9 to $9.25 per pound in an unsettled market, essentially unchanged from the position assumed the previous week. Trading was relatively light.

Mercurials—While the general business condition in mercury compounds was described as still at a low ebb, the price of quicksilver that recently advanced to $76 per flask held firm. The cartel raised the price $4 per flask at that time.

Methanol — Strong demand against a somewhat better supply position was reported on this item, as production was on the increase over the level of recent weeks. Prices held firm. Production as reported by the Tariff Commission showed virtually no increase in the output of natural wood alcohol the figures being 1,312,635 and 1,352,602 pounds respectively for February and March. However, in the production of synthetic methanol, March showed a very considerable increase to 72,665,317 pounds as compared with 60,829,318 pounds for February.

Methyl Acetoacetate — For chemical synthesis reactions where the alkoxy group splits off, this material was reported to be more economical than the corresponding ethyl product. Current price quotations were on a freight allowed basis and were established at 46c. per pound in tankcars, 47c. in drum carlots and 48c. in less than carlots.

Methyl Acetone — Synthetic material consisting essentially of various mixtures of acetone, methyl acetate and methyl alcohol was in good demand from the cellulosic lacquer and plastic industries. Prices were currently quoted at 32c. per pound, freight allowed in the East.

Methylisobutyl Carbinol — This solvent was quoted in a range of prices from 13c. to 14c. per pound in tankcars, 14½c. to 15½c. in drums, carlots, and 15c. to 16½c. in less than carlots.

Methylisobutyl Ketone — This medium boiling solvent used in lacquer and synthetic resin finishes was currently quoted on an East delivered basis of 13½c. per pound. in tankcars, 15c. in drums, carlots, and 16c. in less than carlots.

Morphine—Ample supplies of this narcotic alkaloid and its salts were reported available, with material moving at a steady volume against good demand. The price structure on morphine and its sales remained unchanged from levels established last October.

Niacin and Niacinamide—March production of this vitamin material maintained normal production levels during March of 97,134 pounds as compared with 103,378 pounds in February.

Neocinchophen—This U.S.P. ethyl ester of paramethylphenylcinchoninic acid presented a market picture of ample supplies and a firm price structure ranging from $7 to $7.10 per pound.

Penicillin — Strong demand against a reasonably well balanced supply was characteristic of this market last week. In terms of millions of Oxford units, production during March stood at 7,832,295 million units, an increase over the February level of 7,057,264 million units. Prices were firm and unchanged.

Pentaerythritol — Technical grades of this alcohol were reported to be more readily available, having eased with the easing of methanol from which it is made. Prices were firm and unchanged from levels of 32c. per pound in carlots and 34c. to 36c. in less than carlots.

Pyridoxine—This vitamin B_6 was reported by the Tariff Commission to have had its production increased from the January level of 749 pounds to 1,148 pounds in March.

Saccharin — The market for this material remained firm last week, with demand from the flavoring syrup and pharmaceutical industries reported as good. Supplies were generally ample, and prices held firm.

Salol—No change was reported in the salol market, and producers reported adequate supplies available to take care of all needs. Prices were unchanged from levels prevailing over recent months.

Streptomycin—The critical shortage of this antibiotic continued last week in a strong market at steady prices. Tariff Commission reports indicated production considerably increased in March at 2,201,628 grams as compared with 1,645,580 grams in February.

Sulpha Drugs — A compilation of the total production of sulpha drugs by the Tariff Commission showed a very pronounced drop in March, totaling only 125,-388 pounds as compared with February production at 444,164 pounds and January at a comparable level.

Tartar Emetic—This material advanced in price 3 cents per pound last week, making the price of barrels and kegs 44 cents per pound with drum prices ranging from 44½ to 47 cents per pound in 100 and 50 pound drums.

Thiamin Chloride—Production of this B_1 vitamin material was reported by the Tariff Commission as having been stepped up from the February level of 15,092 pounds to some 21,156 pounds in March.

Triethyleneglycol — This material on a freight allowed basis was currently being quoted at 19c. per pound in tankcars, 20½c. in drum carlots, and 21½c. in less than carlot quantities.

Triethylenetetramine—This amine compound was currently quoted on a works basis at 50c. per pound in tankcars, 51½c. in drum carlots, and 52c. in less than carlot quantities. Demand from industrial users was generally good.

Italian Imports from U.S. Licensed in January

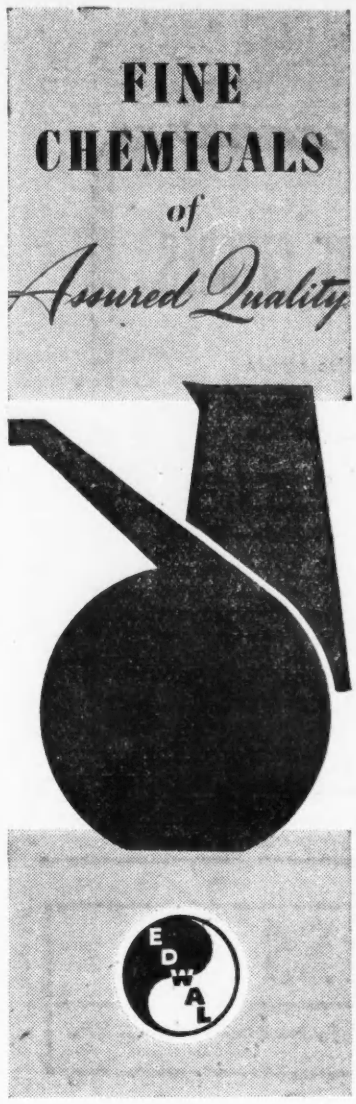
Licenses for imports from U. S. granted by Italy during first half of January included the following materials in the markets of chemicals, oils, and drugs:—

Acetate	$3,500
Acetoacetanilide	1,150
Acetone	8,570
Adonin, pure	218
Alizarin colors	3,694
Aluminum stearate	4,200
Amyl acetate	2,750
Amyl alcohol	4,986
Asbestos	5,000
Benzaldehyde	875
Benzyl benzoate	80
Benzyl chloride	6,661
Betanaphthol	10,000
Bismuth metal	24
Burgundy pitch	70
Butyl acetate	25,500
Butyl alcohol	14,075
Butyl phthalate	39,539
Carbon, activated	Lire 12,102,000
Cellulose acetate	$16,250
Chemical products	7,078
Cholesterol	14,250
Choline hydrochloride	500
Chromium fluoride	2,000
Chromium oxide	254
Cleve's acid	1,720
DDT	5,116
Earth colors	Lire 5,455,105
Ethylmethylketone	$1,980
Ethylenechlorohydrin	600
Ethylenediamine	625
Fuel oil	112,000
Glycerin	5,800
Glycerophthalic resins	45,250
Gum mastic	895
Inks	$391 and 1,500
Insulin	$5,912
Iron fillers	1,214
Iron oxide	1750
Isobutyl acetate	$1,500
Isopropyl acetate	1,500
Lecithin preparation	1,500
Lithium benzoate	80
Lubricating grease	5,200
Maleic resins	15,600
Manganese borate	$2,500
Methyl phthalate	2,000
Naphthenic acid	1,250
Octyl phthalate	4,200
Pancreatin	160
Peperazine hydrochloride	1,280
Paraffin	11,000
Paranitroanilin	14,750
Peanuts	Tons 400
Pentacetate	8,000
Peru balsam	300
Pharmaceutical products	7,275
Phthalic anhydride	20,275
Pilocarpine hydrochloride	145
Plasticizers	2,200
Podophyllin	627
Polyvinyl resins	11,850
Potassium amylxanthate	8875
Potassium carbonate	450
Protein hydrolysates	725
Prussian blue	1,234
Resins	115,315
Scammony resin	1110
Silicon carbide	83,200
Streptomycin hydrochloride	78,200
Synthetic organic colors	$24,895 and 42,306
Testosterone propionate	85,267
Theobromine, pure	217
Theophyllin	1,574
Tricresyl phosphate	111,602
Triethanolamine	84,200
Uranium oxide	174
Vitamins	$5,925
Zirconium silicate	1,750

Penicillin Requires License For Mailing to Great Britain

The Office of the Postmaster, New York, has announced that information has been received from the British Postal Administration indicating that penicillin may not be imported into the United Kingdom by regular mail or parcel post unless the addressee possesses an import license issued by the British authorities.

Accordingly, the Post Office here will not accept articles containing penicillin for mailing to Great Britain or Northern Ireland unless the sender has marked the wrapper "Addressee has import license," or similarly.



Hydrazine Sulfate, technical

Props: White to cream fine crystals. Purity 95-98%; impurities: Na_2SO_4, NaCl, NH_4Cl, very low moisture content, soluble in water; insoluble in alcohol.

Uses: Preservation of cut flowers; a strong reducing agent in organic chemistry.

•

Ethyl Iodide C. P. and technical

Props: Colorless liquid; 95% boiling range, 70-72°C., specific gravity, 25°/25°, 1.91.

Uses: Introduction of the ethyl group in organic synthesis; medicinal.

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Isopropyl N-Phenyl Carbamate, technical

Props: White to grey needles; 98% minimum purity; soluble in alcohol or acetone, very slightly soluble in water.

Uses: Narrow-leaf herbicide; effective against crabgrass.

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Analgesic Drug Institute Issues Progress Report

The Institute for the Study of Analgesic and Sedative Drugs has issued a progress report detailing the results of some of the projects it has worked on since its foundation in 1938. In addition to listing a series of monographs and publications on various research studies completed by the institute, the report briefly tells of other results being prepared for publication.

The research program has demonstrated, the report states, that acetanilid is not as dangerous a drug as was formerly believed, and it declares the research group has proven that acetophenetidin is not a dangerous drug and should not be subjected to the severe warnings formerly required by governmental agencies.

The institute has demonstrated that antipyrine is a useful and satisfactory analgetic drug, according to the report, even though it has been little used in this country. The report states that the metabolism of acetanilid and the associated analgetic drugs has been studied in a manner never previously approached and the chemical factor providing the analgetic action has been isolated and proven to be safe and effective.

In addition, the report describes explorations of the bromide field through the use of experimental animals, chemical procedures and clinical trials upon human subjects. Through these various channels, it states, much was learned about the metabolism of bromides and a formula for safe medication, even with large doses, in human subjects was arrived at.

Ketchum & Co. Purchases Averbeck Wholesale Drug

Ketchum & Co., wholesale druggist, New York has acquired all the outstanding stock of the Averbeck Wholesale Drug Company, Youngstown, Ohio. The Ohio firm distributes to retail druggists in northeastern Ohio and northwestern Pennsylvania, and the new management plans to develop and expand this business.

Miss Anna M. Hans will continue as manager of the Averbeck Company, and L. C. Johnson will remain as its sales manager. Emmett M. Altshul, vice-president and treasurer of Ketchum & Co., has been assigned as temporary resident manager in Youngstown, and J. O. Spies, secretary of the New York firm, has been designated as its acting manager.

Stainless Steel Applications In Chemical Processing Told

Allegheny Ludlum Steel Corporation, Pittsburgh, has published a booklet on the role of stainless steel in the chemical industry, entitled "Allegheny Metal in Chemical Processing." The publication gives facts and figures on the use of stainless steels in the chemical processing, pharmaceutical manufacture, acid manufacture, soap making, general processing, dye making and plastics industries.

Charts showing physical, fabrication and other data on the various recommended grades of stainless steel are included, along with other information of interest to engineers and technical men. Copies of the booklet may be obtained without charge from the company at 2020 Oliver building, Pittsburg 22, Pa.

Fisher Elected Chairman Of Phila. ACS Section

Dr. C. H. Fisher, head of the carbohydrate division of the Eastern Regional Research Laboratory, Philadelphia, has been elected chairman of the Philadelphia section of the American Chemical Society. He will take office on July 1, succeeding Dr. Arthur B. Hersberger, divisional director of research and development of the Atlantic Refining Company.

Dr. W. A. LaLande, jr., director of the Whitemarsh laboratories of the Pennsylvania Salt Manufacturing Company, was named chairman-elect, and Dr. William G. Batt of the Biochemical Foundation, Newark, Del., and William H. Hughes of the Philadelphia Textile Institute, were re-elected secretary and treasurer, respectively.

Phila. Chemical Club Plans Golf Outings

The Chemical Club of Philadelphia has set dates for five golf outings during the coming months. The dates and locations of the tournaments are:—June 24, North Hills Country Club; July 16, Llanerch Country Club; August 27, Manufacturers Country Club; September 29, Whitemarsh Valley Country Club, and an undetermined date in October at the Torresdale Country Club.

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Philippine Import Controls Predicted for Near Future

Addressing a recent meeting of the Export Managers Club in New York, Louis G. Wagner, of L. G. Wagner, Ltd., Manila, Philippine Republic, said that that country is planning the imposition of import controls in order to ration the available dollar supply. He added, however, that even with controls, United States exports to the Philippines would approximate $330,000,000 this year.

He based his estimate of imports of American goods on an estimated income of $250,000,000 for Philippine exports of copra, sugar, hemp and other major export products, plus a $100,000,000 war damage payment installment by the United States. He estimated that exports of sugar alone would reach about $80,000,000 this year.

Mr. Wagner said that the Philippine government is designing a set of controls to channel available dollars into certain major categories, such as foods and semi-luxuries, with licenses issued to individual traders. Details of the system have not been completed, he said, but action is expected shortly, and possibly by October 1.

He predicted that trade with the Philippines will be stable for the next few years for manufacturers and direct exporters, but warned that merchant exporters will find business dropping off as buyers stress the differential between jobbers and direct prices. He added that it is his belief that sales of established lines will continue at about present levels, with demand for unknown goods falling off.

NAM Group to Conduct Patents Seminar June 21

The patents and research committee of the National Association of Manufacturers will conduct a seminar in the Statler hotel, Cleveland, on June 21 as the start of its program to promote knowledge of the patent system. Participating organizations will include the Cleveland Technical Societies Council, the Cleveland Patent Law Association, the Lorain County Industrial Council, and the Mahoning Valley Industrial Council.

Among the speakers will be Lawrence Kingsland, commissioner of patents, who will discuss "The United States Patent Office"; Casper W. Ooms, former commissioner of patents, "Is the American Patent System the Best"; John Dienner, Chicago patent attorney, "The Role of the Patent System in Our Economy," and Crosby Field, president of Flakice Corporation, Brooklyn, N. Y., "Inventions Through the Ages."

Iontophoresis Research Society Formed in N.Y.

The Society for Research on Iontophoresis has been chartered by the state of New York as a membership corporation. The organization has been formed to further, by clinical study, laboratory research, publication and dissemination, the knowledge of iontophoresis and the application of such knowledge to the study and prevention and treatment of various types of diseases.

The society plans to publish writings, papers, books, pamphlets, periodicals and other publications on the subject of iontophoresis, on a non-profit basis.

Manufacturers Agents Ass'n Starts Membership Drive

The Manufacturers Agents National Association has mailed information booklets to manufacturers agents and sales agents throughout the country, in a drive for increased membership. The booklet outlines the program planned by the association and reveals that it expects to set up permanent headquarters in New York, with regional field offices in Chicago and Los Angeles.

Internat'l Chemistry Exposition To Be Held in Belgium Sept. 4-20

An international exposition of pure and applied chemistry will be held on September 4 to 20 in the University of Labor building, Charleroi, Belgium, according to Aneta news agency. The agency said that Belgian, British, Dutch, Italian, French, Luxembourg, United States, Austrian, Spanish, Scandinavian and Belgian Congo concerns will participate in the exposition.

Pharmacists Aid Society Formed in New York State

The Pharmacists Aid and Welfare Society has been formed in New York State for the purpose of assisting registered pharmacists, who are operating drug stores, in time of stress, dire need or emergency. The organization will also seek to enlist the backing and good will of registered pharmacists for the individual retail druggist.

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MCA Votes to Amend Constitution, Incorporate

—Continued from page 5

Powder Company and William H. Ward, vice-president of E. I. du Pont de Nemours & Company.

Mr. Munson, in his annual report, decried the lack of venture capital available to industry, and said that some of the direct results of such a shortage were that new products are limited; new businesses are handicapped; production is curtailed; research suffers; national security can be affected, and the possibility of further government intervention.

"Fundamentally," he said, "our internal position is sound. Production is in great demand, consumer purchasing power is high and earnings are adequate. From an appraisal of the industry's prospects alone, venture capital should be knocking eagerly at our door. But it isn't, due primarily to an alien philosophy of taxation which has made such capital both scarce and timid at the present time."

It is scarce, Mr. Munson declared, because it has been depleted by high inheritance taxes and because high income taxes have prevented it from replenishing itself. It is timid, he added, because of the combined effect of high corporate tax rates, double taxation of dividends, and almost confiscatory surtaxes in the upper brackets.

Venture Capital in Hiding

"Under such handicaps, real venture capital goes into hiding," Mr. Munson pointed out. "It is safer in risk-free investments and it earns substantially as much. But it ceases to be venture capital. Such capital will remain scarce and timid until it is encouraged by tax revision, over and above the token relief granted this year. Federal expenditures must be cut, and tax revenues reduced accordingly."

Mr. Munson emphasized that personal surtaxes should be reduced so that taxpayers can retain enough of their income, over and above their actual consumption needs, to invest in new and expanding industries; double taxation of corporate earnings need correction; tax on capital gains should be modified and depreciation allowances liberalized so that when business has done no more than maintain its property it shall not be taxed on a profit or capital gain merely because the purchasing power of the dollar has fallen.

"Such reforms will not come easily," Mr. Munson pointed out. "In pressing for tax revision our motives are going to be misrepresented. This is unfortunate and unpleasant, but not controlling. What is needed is a sound program of public education, one so comprehensive and so dynamic that every American citizen will become aware of his own stake in this great economic problem.

"We must make clear the grim significance of the stagnating economy that is inevitable when risk capital disappears. We must make clear the consequences in terms of reduced research, a scarcity of new products, curtailed production and jobs, and weakened national defense.

"On the positive side, we must open the public's eyes to the progress—the new, the better, the cheaper products; the additional jobs; the higher wages; the greater security—that will come to everyone when venture capital again flows freely."

Need for New Members

Mr. Merck presented a summary of the annual report of the executive committee and laid particular emphasis on two points:—the need for increasing the membership of the association, and the work of the stream pollution abatement committee. In regard to the latter, he said that as the work on stream pollution takes on a faster pace, it becomes more apparent that similar intensive attention must soon be directed to the problem of air pollution.

The report was greatly concerned with present political and economic conditions and stated that the rapidly moving events of the past year prompt the observation that the hectic three years since the war have not brought the unalloyed peace hoped for, and to a large extent both the chemical industry and the association will continue to be on a "war emergency" basis.

The report declared that the National Security Resources Board is said to be working on a blueprint for coordination of military, industrial and civilian mobilization in the event of armed conflict.

Effects of Relief Program

"Whether war is considered imminent or not," the report stated, the effects of the European recovery program recently enacted inevitably must be reflected in United States fiscal policy, budget balancing, retirement of debt, and taxation; in increased shortages of capital equipment, raw materials and transportation.

"These in turn may lead to commodity and materials allocations and other controls, as Paul Hoffman, head of ERP, has already indicated, with a consequent increase in centralization of power in government. The prospect of long duration of this emergency condition is suggested by rumors that already behind the scenes discussions are surveying the possible

George W. Merck

need of a post-1952 ERP, when the present program has been terminated."

The report stated that the trend toward more and more regulation not only of the economy but in matters affecting health, reduction of hazards, and safety, is assuming a faster tempo.

Regulatory Problems

"The regulations are far-reaching and more complex," according to the report. "This situation underlies the conviction of your executive committee that these regulatory problems and concerted representation regarding them will be more urgent in the future than in the past. This possibility forecasts an additional load upon the association of our industry, and suggests that we must consider and decide whether some of our activities must be curtailed to permit attention to these problems, or whether we shall expand the staff of the Washington office to assume the heavier responsibilities."

Touching on tariffs, the report noted that the association had filed a brief with the house ways and means committee recommending that the Trade Agreements Act be allowed to expire June 12, arguing that such action would permit an evaluation of the equity of the rate reductions already made, provide time for consideration of legislation in an atmosphere other than one of emergency, and that an intelligent determination of further legislation must await Congressional decision on the International Trade Organization charter.

Impact on Chemical Industry

"The Geneva tariff reductions will have a dual impact on the chemical industry, first by direct importation of chemicals and, second, by importation of finished products which require chemicals in their manufacture, such as textiles, rayon, glass, film and ceramics," the report read.

"No immediate effects are expected to result from the concessions since foreign imports into the United States will be limited for some time because of low production, but as European exports increase they will become a serious factor in our domestic markets.

"On the other hand, foreign concessions to the United States may be long delayed because of dollar shortages of participating nations, and imposition of import quotas and exchange controls. Consequently, United States concessions constitute a one way road into our home markets."

Research Activities

Speaking of research, the executive committee pointed out that recent estimates indicate that research expenditures for the industrial chemical group amount to about $65,000,000 annually, and that although some chemical firms are now spending in excess of 5 percent of their net dollar sales volume for research, the average for the industry is between 2 and 3 percent.

A large portion of the report was devoted to the work being done by the various committees of the association. "The tremendous expansion and development experienced by the chemical industry have created wider fields for our tech-

nical activity, and emphasize the certainty that chemical transportation, container improvement, and safe practices, will continue to grow as major activities of MCA," the report declared.

"The Interstate Commerce Commission requirement for Type AB power brakes on all railway freight cars, including tankcars, as of January 1, 1949, is of major significance. Such installation would require the withdrawal from service of a substantial portion of the chemical tankcar fleet in order to meet the deadline.

The committee declared that the MCA tankcar committee is assembling evidence preparatory to making formal request for a two-year extension of the effective date, and urged member firms to cooperate with the committee in this matter.

Nitric Acid Investigation

The association's metal packages committee was reported finished with its four-year project on the action of strong nitric acid upon stainless steel and aluminum alloys, with conclusions of the study to be published later this year. As a result of this research work, regulations now governing the transportation of nitric acid are being reviewed by a special MCA committee, set up at the request of the Bureau of Explosives.

The metal packages committee is cooperating on a long-range research project on metal container linings, sponsored by the Steel Shipping Container Institute, and it was declared that favorable outcome of this work should result in a widespread market for single-trip steel containers in fields not now practicable because of corrosion difficulties, and consequent savings for chemical shippers.

The report disclosed that the miscellaneous packages committee continued its experiments, under ICC authority, on LCL and LTC shipments of class B poison in multiwall paper bags and that performance specifications covering the cushioning and packaging of inside containers for dangerous articles are being worked out at the request of the Bureau of Explosives.

The glass and wood packages committee was reported engaged at the present time in projects designed to remove existing hazards in the shipment of mixed acid and sodium hypochlorite solutions.

The anhydrous hydrofluoric acid committee was successful in obtaining ICC approval for use of 300-pound test pressure cars for shipping AHF, thereby making many additional cars available for this service, according to the report. It added that consideration is being given to safety devices for cylinders, a revised ICC classification for acid stronger than 80 percent HF, and cylinder labeling.

Economic Situation Forum

The major feature of the business session outside the routine proceedings was a panel discussion of the current economic situation under the direction of Ralph Robey, economist for the National Association of Manufacturers. Three experts in economic observation and comment, Henry Hazlett, of *Newsweek;* Wheeler McMillan, of *Farm Journal;* and Claude Robinson, of the Opinion Research Corporation, gave their opinions on many of the innumerable economic possibilities of today and ifs of tomorrow. They presented various angles of the course, progress, and results of the "anemia" which appears to afflict the capitalization of business. In large part they were close to agreement that the causes were mostly shrunken workhour productivity and excessive cost of government.

There was a variety of opinion on the progress of the failings of employment relations also, and on the value and outcome of the wage idea of the new General Motors plan. There was a close meeting of minds on what politics might do to make matters worse, and on the expectations of a third round of wage-hoisting. The incentive method of compensation and the wisdom of hooking compensation to productivity were commended, but no practical methods were adduced.

Varied Questions Answered

In the complementary open forum, the experts answered many questions, even predicting the election of a Republican (Vandenberg) as President. They covered such things as the relation of wage-levels to money supply, where flexibility was considered good; the reasons for high cost of farm products (because what the farmer buys is dear); the restoration of the gold standard (gradually with many concomitant reforms, including the discarding of most controls; the imminence of a coal strike (no definite opinion except that Lewis would make the pattern); and the dangers that would attach to the

—*Continued on page 90*

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Mercury First Quarter Statistics Reported

Production of mercury in the first quarter of 1948 continued at a rate only 9 percent below the quarterly average for 1947, according to a recent report from the Bureau of Mines. Imports for the quarter amounted to more than three-fourths of the quantity received during the entire year 1947, the report added.

Consumption of the material slightly exceeded the rate attained in the final quarter of 1947, but the persistent downtrend in price continued and resulted in the lowest price recorded since 1938, the report continued. Salient statistics on mercury in the first quarter of 1948, compared with the final quarter of 1947 and the first quarter of 1947, in flasks of seventy-six pounds, follow:

	1948	1947	
	Jan. Mar.	Oct.-Dec.	Jan.-Mar.
Production	5,500[1]	5,550[1]	6,100[1]
General imports	7,844	3,879	4,190
Exports	79	313	241
Consumption	10,000	9,900	9,000
Stocks at end of period—			
Consumers and dealers[2]	16,900	16,200	17,100
Producers[3]	4,011	3,084	3,183
Average price per flask at New York	76.91	79.78	87.24

[1] In addition at least 550 flasks were produced from the treatment of battery plates, scrap and calomel in the first quarter of 1947, 700 in the last quarter of 1947, and 300 in the first quarter of 1948.
[2] Largely excludes redistilled metal.
[3] Held by reporting companies.

ITO Charter Discussion To Be Held in Washington

Pros and cons of the International Trade Organization Charter, recently concluded by more than fifty nations at Havana, will be examined at an economic institute sponsored by the Chamber of Commerce of the United States, June 15, at the Mayflower hotel, Washington.

Except for a noontime recess, the institute program will carry through the day, with sessions at 9 a.m. and 2 p.m. The institute will be opened by Arch N. Booth, manager of the chamber, who will introduce the moderator, Col. Clem D. Johnston, chairman of the national chamber's committee on international political and social problems.

William L. Clayton and Clair Wilcox, state department officials, who headed the American delegation at Havana, will begin respectively, the morning and afternoon discussions. The remarks of Mr. Clayton, adviser to the secretary of state, will relate to "Why and How We Came to Find Ourselves at the Havana Conference." "The Case for the Havana Charter" will be presented by Mr. Wilcox, former director of the state department's Office of International Trade Policy.

Five well known business leaders will analyze the grounds for agreement or disagreement with the arguments offered by Messrs. Clayton and Wilcox. The businessmen are: John Abbink, chairman, McGraw-Hill International Corp.; Arthur Besse, president, National Association of Wool Manufacturers; John Lee Coulter, consulting economist; George W. Ray, jr., general counsel, Arabian-American Oil Co.; and William Ward, vice-president, National City Bank of New York.

DCAT Honors R.E. Dorland

The executive committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade at a recent meeting passed a resolution to have included on its minutes a fitting memorial to the late Ralph E. Dorland. Copies of the inscription were sent to Mr. Dorland's family and to his former associates at the Dow Chemical Company.

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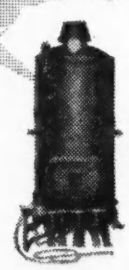

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Ethane Chlorination In Germany Described

Two German-developed processes, one for the manufacture of ethyl chloride by the thermal gas-phase chlorination of ethane, the other a liquid-phase process for the chlorination of ethane, are described in a report now on sale by the Office of Technical Services. The gas-phase process was to have been put into operation on a commercial scale by I. G. Farbenindustrie at Heydebreck, and the process for the liquid-phase chlorination of ethane was developed on a pilot plant scale at the same company's plant at Oppau.

Photostat copies of the fourteen-page report (PB-86766, "Chlorination of Ethane, Heydebreck, Oppau") sell for $2, and microfilm copies are $1.25. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

White Metal Mfg. Names Fouts California Agent

White Metal Manufacturing Company, Hoboken, N. J., has appointed H. J. Fouts & Co., Los Angeles, exclusive representative for the State of California. The Hoboken firm manufactures collapsible tubes for dentifrices, ointments, glue, and other pharmaceutical, medicinal and industrial products, as well as metal can spouts.

FTC Holds Cement Case

—*Continued from page 3*

where businessmen could be advised on whether their pricing systems were legal or not was rejected by the commissioners. They recalled that such an attempt was made years ago by the Department of Justice that led to all kinds of trouble for both the government and industry.

They said that it was impossible to give advance rulings because it is not possible to gather all the facts in advance. Also, court interpretations of the law are constantly changing which makes a valid ruling today invalid tomorrow and vice versa.

Inherent Suggestion Serious

Mr. Freer told the committee that the suggestion inherent in the Capehart investigating resolution, that legislation may be needed to legalize what was condemned by the commission in the cement case, is a serious one and it goes to the very roots of the antitrust laws. Mr. Freer stated:—

"I think it should be made plain from the outset that legislation which would approve any practice prohibited by the commission's order in the cement case would be legislation to permit combination and conspiracy to fix and maintain prices or systematic price discrimination practices for the purpose or with the effect of eliminating competition.

"The committee should not approach this problem with any idea that the practices prohibited in the cement order can be made lawful without nullifying the Sherman act and the antimonopoly provisions of the Federal Trade Commission and Clayton acts.

"The commission is entirely willing to cooperate with this committee in examining the theories involved in the cement case or the applicability of such theories to any other industry, but it should be made plain at the outset that the cement case does not have the radical and revolutionary effect that has been attributed to it in certain quarters.

"The decision of the commission was to the effect that the cement industry had been engaged in a combination and conspiracy to fix and maintain prices and that systematic use of the basing point method of pricing in that industry had the effect of eliminating competition.

Case Reaffirms Principle

"Certainly, it is unwarranted to assume that the effect of this decision is to outlaw all delivered prices or to require only f.o.b. mill prices. The cement case is simply a reaffirmation of a principle which is a fundamental one in the law and economics of this country that collusion and combination and conspiracy to fix and and maintain prices is contrary to the American system of free enterprise.

"The fundamental approach in the antitrust acts generally, and in the Federal Trade Commission Act particularly, is that competition is not only the life of the trade but also the primary force which will insure equal opportunity of business enterprise and the natural regulation of prices in the arena of the free market. The commission has no desire to suggest how prices should be quoted in any industry or to advise or participate in any decisions of business management."

Decontrol Act Bill

—*Continued from page 3*

the Army came in with an amendment that would have materially changed the plans of the house to force the Army to meet 50 percent of the fertilizer export commitments of this country to the non-occupied areas.

In the first place, the Army desired that its participation in the export program be permissive rather than mandatory. Secondly, it proposed that additional appropriations be provided to enable increased production of anhydrous ammonia at the plants presently operated and to place other plants in operation if necessary, and that the Army's participation in the export program be limited to the amount of increased fertilizer it could produce through this greater expenditure of funds.

Southern Senators Protest

Senate members from the southern states protested strongly that they could not understand the reason for the Army coming in at the last minute with such an important amendment. They saw in the proposal an attempt on the part of the Army to negate the intention of the farm bloc, but they permitted the amendment to be adopted and go to conference.

Further study of the matter in conference convinced them that the Army's amendment would probably deny to the American farmers the increased amount of fertilizers they hoped to get by requiring the Army to supply half of the export requirements, and the Army's amendment was rejected by the conference committee.

Drug Act Amendment

—*Continued from page 3*

jection on the understanding that the bill would go to conference, stressed the danger of the amendment and said that he believes the bill is in that class of legislation falling strictly within the terms of *malum prohibitum* legislation, in which the full responsibility, because of the very important public policy involved, should be placed upon the vendor.

"There are some things in which the full burden of responsibility should be placed upon the vendor," he said, "and when it comes to protecting the health of the American citizen in regard to things which they buy by way of foods or drugs, then I think the responsibility should be clearly upon the vendor. We do it in many other respects when we lay down strict *malum prohibitum* crimes in this country and say 'you do these acts at your own risk.'

"I say that it is going to be an unfortunate thing if the purchasers of foods and drugs in this country are going to have a statute enacted which permits vendors to shift the responsibility when there is in fact contaminated substances in foods and drugs."

FDA Opposes Amendment

Senator Brien McMahon, of Connecticut, who is in charge of the bill, said that he had been told by the Food and Drug Administration that the Moore amendment "would pretty effectively destroy the enforcement of the law." He said there are at least half a dozen Federal statutes in which proof of intent or gross negligence is not required.

"I feel that the Food and Drug Administration knows what it is talking about," he said, "and, incidentally, it is endorsed in its position by the Wholesale Grocers Association, by the Wholesale Druggists Association, by the manufacturing druggists and by the manufacturing grocers of the United States."

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Lactose Impalpable USP
Lactose Edible
Calcium Lactate USP
Sodium Lactate

SHEFFIELD FARMS COMPANY, INC.

SHEFFIELD MILK CHEMICALS
WORLD'S MOST COMPLETE LINE

CHEMURGIC DIVISION
Division of National Dairy Products Corporation

★Trade-mark of Sheffield Farms

Imports at United States Ports

New York Imports

AMBRETTE SEED—4 bgs, Peck & Velsor Co, Coastal Viking, Santiago
ANILIN COLORS—35 dms, Ciba Co, American Jurist, Antwerp
DYES—3 dms, American Builder, Manchester
2 dms, Ciba Co, American Builder, Manchester
ANTIMONY ORES—2,761 bgs, Bank of London, Santa Isabel, Antofagasta
862 bgs, Associated Metals & Minerals Co, Santa Isabel, Antofagasta
ARABIC GUM—250 bgs, Wm Allison & Co, Maharanda, Port Sudan
150 bgs, Orbis Products Corp, Maharanda, Port Sudan
250 bgs, National Starch Products, Maharanda, Port Sudan
250 bgs, National Import & Export Co, Maharanda, Port Sudan
500 bgs, Mer Corp, Maharanda, Port Sudan
50 bgs, Stein, Hall & Co, Maharanda, Port Sudan
150 bgs, Richard D Heins Co, Maharanda, Port Sudan
ASBESTOS FIBER—1,700 bgs, Johns Manville Co, Greenley Victory, Lourenco Marques
AUXILIARY DYEING PRODUCTS—30 dms, Ciba Co, American Jurist, Antwerp
BABASSU KERNELS—2,400 bgs, General Food Corp, Mormacdale, Parnaiba
6,832 bgs, Spencer Kellogg Co, Mormacdale, Sao Luiz
1,666 bgs, General Foods Corp, Mormacdale, Sao Luiz
BARBASCO ROOT—2,059 bls, H A Astlett Co, Pachitea, Iquitos
BARIUM NITRATE—38 cks, Hummel Chemical Co, American Builder, Liverpool
BEESWAX—13 bgs, Poons Co, Jean, Ciudad Trujillo
19 bgs, Geck Trading Co, Jean, Ciudad Trujillo
14 bgs, Agwilking, Havana
30 bgs, E Vadillo Ruiz, Agwiking, Havana
156 bls, L Luzzatto Co, Rovuma, Lisbon
18 bgs, D Steengrafe & Co, Agwidale, Havana
104 bgs, Duncan Fox & Co, Talcahuano
43 bgs, Copiapo, San Antonio
24 bgs, Persian Knot, Havana
21 bgs, Will & Baumer Candle Co, Persian Knot, Havana
15 bgs, Cornelius Products Co, Santa Isabel, Valparaiso
BELLADONNA LEAVES—16 bls, Omnifarious Import & Export Co, American Scientist, Le Havre
BERGAMOT OIL—16 cs, Bankers Trust Co, Grigorios, Messina
CANARY SEED—277 bgs, Flying Independent, Casablanca
211 bgs, Irving Trust Co, Casablanca
316 bgs, Bank of Nova Scotia, Casablanca
500 bgs, North American Continental Co, Escabana Victory, Casablanca
1,033 bgs, Transatlantic Commodities Corp, Escabana Victory, Casablanca
667 bgs, Stein Trading Co, Jackstar, Buenos Aires
CARAWAY SEED—50 bgs, Catz American Co, Axeldyk, Rotterdam
CARNAUBA WAX—63 bgs, Wax & Rosin Products Co, Mormacdale, Parnaiba
126 bgs, Frank B Rose Co, Mormacdale, Parnaiba
126 bgs, Strohmeyer & Arpe Co, Mormacdale, Parnaiba
126 bgs, Cornelius Products, Mormacdale, Parnaiba
63 bgs, Innis, Speiden Co, Mormacdale, Parnaiba
200 bgs, S C Johnson Co, Mormacdale, Parnaiba
125 bgs, Straht & Pitsch Co, Mormacdale, Parnaiba
500 bgs, Fredrick Henkes Co, Mormacdale, Parnaiba
55 bgs, Wessel, Duval & Co, Pachitea, Fortaleza
225 bgs, Frank B Ross & Co, Pachitea, Parnahyba
CASSIA—400 bls, Arthur G Dunn & Co, Dona Aniceta, Hongkong
CASTOR BEANS—563 bgs, Spencer Kellogg Co, Coastal Viking, Santiago
1,270 bgs, Spencer Kellogg Co, Flying Enterprise, Bangkok
1,270 bgs, Baker Castor Oil Co, Flying Enterprise, Bangkok
2,700 bgs, Baker Castor Oil Co, Mormacdale, Recife
CAUSTIC SODA—1,076 cyls, Bank of New York, American Scientist, Le Havre
129 cyls, Mercantile Metal & Ore Co, American Scientist, Le Havre
CERAMIC COLORS—3 dms, Grumbacher, Inc, Fort Spokane, Liverpool
16 cs, J E Bernard & Co, Britannic, Liverpool
CHROME ORE—4,649 tons, Mutual Chemical Co, Robin Goodfellow, Lourenco Marques
2,714 tons, E J Lavino Co, Robin Goodfellow, Lourenco Marques
CODLIVER OIL—1,611 dms, American Shipping Co, Trollofoss, Reykjavik
COPAL GUM—56 bgs, William Scheel, Inc, Stirlengville, Manila
27 bgs, O G Innes Corp, Stirlengville, Manila
CORIANDER SEED—400 bgs, Flying Independent, Casablanca
CRESYLIC ACID—70 dms, Budde & Westermann Co, Axeldyk, Rotterdam
52 dms, H A Gogarty Co, Fort Spokane, Liverpool
222 dms, Britannic, Liverpool
250 dms, Concord Chemical Co, American Builder, Liverpool
114 dms, H A Gogarty, Inc, American Builder, Liverpool
47 dms, National Safety Bank, American Builder, Manchester
50 dms, Manufacturers Trust Co, American Builder, Manchester
DIVI-DIVI—5,275 bgs, M E Schoen Corp, Horseshoe Spike, Santa Maria
DRY COLORS—1 crate, W J Byrnes & Co, Britannic, Liverpool
ESSENTIAL OILS—10 dms, Saint Tropez, Marseilles 7 cs, Coty Products, Le Havre
FERTILIZER—1,250 bgs, American Builder, Manchester
FOUNDERS DUST—16 cks, Meadows Wye & Co, Fort Spokane, Liverpool
FUEL OIL—10,000 bbls, Asiatic Pet Corp, Santa Rosa, Curacao
103,000 bbls, Esso Export Corp, Clarke's Wharf, Aruba
10,000 bbls, Asiatic Pet Co, J L Luckenbach, Curacao
GENTIAN ROOT—138 bgs, R J Prentiss Co, Saint Tropez, Marseilles
GERANIUM OIL—4 dms, L A Champon & Co, Greenley Victory, Mombasa
GINGER—113 bgs, Meer Corp, Coastal Viking, Santiago
GYPSUM—400 bgs, Whittaker, Clark & Daniels Co, Fort Spokane, Liverpool
CRUDE—10,446 tons, U S Gypsum Co, Gypsum Prince, Hantsport
LEMON OIL—30 cs, Bank of Manhattan Co, Grigorios, Messina
160 cs, National City Bank, Grigorios, Messina
100 cs, Chase National Bank, Grigorios, Messina
LOCUST BEANS—320 bgs, R J Prentiss Co, Anna Odlund, Beyrouth
GUM—100 bgs, Stein, Hall & Co, Escabana Victory, Larnaca
100 bgs, Public National Bank & Trust Co, Fort Spokane, Liverpool
MANGANESE ORE—8,600 tons, E J Lavino Co, Humanitas, Takoradi
MICA—220 cs, National City Bank of New York, Indochinois, Le Havre
85 cs, Gillespie-Rogers-Pyatt Co, Maharonda, Calcutta
191 cs, Cornelius & Suhr, Inc, Maharonda, Calcutta
MICA—18 cs, Wittaker, Clark & Daniels, Inc, Maharonda, Calcutta
2,189 cs, Eugene Munsell & Co, Maharonda, Calcutta
620 cs, Asheville Schoonmaker Mica Co, Maharonda, Calcutta
200 cs, English Mica Co, Maharonda, Calcutta
MOLASSES, CRUDE—457,200 kilos, Standard Brands, Inc, Santa Isabel, Salaverry
MONTAN WAX—200 bgs, Innis, Speiden Co, American Jurist, Rotterdam
NAPHTHENIC OIL SLUDGE—1,323 bbls, Stanco, Inc, Esso Allentown, Caripito
NUTMEGS—17 bgs, Catz American Co, Flying Enterprise, Bangkok
OLIBANUM GUM—134 bgs, Frederick Faraone Co, Flying Independent, Aden
OLIVE OIL—208 dms, John Nicolaou Co, Escabana Victory, Port Iero
25 dms, Antonio Corrao, Escabana Victory, Port Iero
103 cs, Levant American Commerce Corp, Escabana Victory, Port Iero
69 dms, John Minervini Co, Escabana Victory, Casablanca
35 dms, Import Oil Co, Escabana Victory, Casablanca
50 dms, Biddle Purchasing Co, Escabana Victory, Casablanca
311 dms, Strohmeyer & Arpe Co, Escabana, Victory, Casablanca
21 dms, L S Packing Co, Escabana Victory, Casablanca
169 dms, B Dorman & Sons, Escabana Victory, Casablanca
78 dms, J Ossola Co, Escabana Victory, Casablanca
100 dms, J Henry Schroder Co, Escabana Victory, Casablanca
100 dms, B M Reeves & Co, Escabana Victory, Casablanca
100 cs, Luigi Corso Co, Saturnia, Genoa
150 cs, J Ossola Co, Saturnia, Genoa
500 cs, S Kirsch Co, Saturnia, Genoa
100 cs, Import Oil Co, Saturnia, Genoa
500 cs, B Filippone & Co, Saturnia, Genoa
25 dms, Joseph Victory & Co, Monte Incharta, Barcelona
ORANGE OIL—34 cs, LoCurto & Funk Co, Lali, Santos
PETROLEUM, CRUDE—123,132 bbls, Socony Vacuum Oil Co, Samoset, Puerto La Cruz
124,776 bbls, Esso Standard Oil Co, Esso Scranton, Puerto La Cruz
117,975 bbls, Imperial Oil Co, Ltd, Esso Binghampton, Puerto La Cruz
104,798 bbls, Esso Standard Oil Co, Broad River, Cartagena
105,312 bbls, Esso Standard Oil Co, Esso Knoxville, Caripito
PIMENTO—231 bgs, Gillespie & Co, Coastal Viking, Santiago
POPPYSEED—533 bgs, Public National Bank & Trust Co, T J Stevenson, Istanbul
133 bgs, Midland Trust Co, T J Stevenson, Istanbul
100 bgs, Catz American Co, Axeldyk, Rotterdam
PYRETHRUM FLOWERS—750 bls, Greenley Victory, Mombasa
QUICKSILVER—3,000 flasks, W R Grace Co, Escabana Victory, Cadiz
300 flasks, Bankers Trust Co, Escabana Victory, Cadiz
QUILLAI BARK—122 bls, Duncan Fox & Co, Copiapo, San Antonio
156 bls, Irving Trust Co, Copiapo, San Antonio
186 bls, S B Penick Co, Copiapo, San Antonio
SASSAFRAS—9 dms, Lali, Itajai
SCHEELITE ORE—2,500 bgs, Bureau of Foreign Commerce, Flying Independent, Korea
1,816 bgs, J W Hampton, jr, & Co, Mormacdale, Cabedello
SEEDLAC—400 bgs, Schwab Bros Corp, Dona Aniceta, Hongkong
400 bgs, Haeuser Shellac Co, Dona Aniceta, Hongkong
500 bgs, Chas H Tenn Co, Maharonda, Calcutta
200 bgs, Dings & Schuster, Inc, Maharonda, Calcutta
750 bgs, Montrose Corp, Maharonda, Calcutta
200 bgs, Bradshaw Praeger Co, Maharonda, Calcutta
450 bgs, The Mac Lac Co, Maharonda, Calcutta
200 bgs, Schwab Bros Corp, Maharonda, Calcutta
SENNA LEAVES—76 bls, Richard D Heins Co, Maharonda, Calcutta
SESAME SEED—1,000 bgs, W G Scarlett & Co, Cape Cod, Cristobal
133 bgs, Archibald Kendall Co, Cape Cod, Cristobal
125 bgs, Louis Furth Co, Flying Enterprise, Bangkok
SHELLAC—916 bgs, R Quibell Co, Flying Enterprise, Bangkok
20 cs, Isbrandsen Co, Flying Enterprise, Bangkok
136 bgs, Cne Shipping Co, Axeldyk, Rotterdam
100 bgs, Dings & Schuster, Inc, Maharonda, Calcutta
200 bgs, Chas H Tenn Co, Maharonda, Calcutta
200 bgs, The Mac Lac Co, Maharonda, Calcutta
200 bgs, Colony Import & Export Co, Maharonda, Calcutta
500 bgs, Wm Diehl & Co, Maharonda, Calcutta
50 bgs, Reuben Import Export Corp, Dona Aniceta, Hongkong
90 bgs, Schwab Bros Corp, Dona Aniceta, Hongkong
SODIUM CARBONATE—740 bgs, S Stern Henry Co, Britannic, Liverpool
SORVA GUM—879 cs, Astoria Pan Americana, Inc, Pachitea, Manaus
343 cs, T A Desmond & Co, Pachitea, Manaus
517 cs, T A Desmond & Co, Pachitea, Iracoubra
SULPHUR—20 cks, LoCurto & Funk Co, Fort Spokane, Liverpool
TAPIOCA FLOUR—1,500 bgs, Carl M Loeb Co, Flying Independent, Bangkok
250 bgs, Isbrandsen Co, Flying Independent, Bangkok
TEA WASTE—3,007 bgs, The Maywood Chemical Co, Maharonda, Calcutta
400 bgs, The Citro Chemical Co, Stirlengville, Shanghai
TONKA BEANS—8 bbls, S B Penick Co, Mormacdale, Belem Para
TUCUM KERNELS—2,327 bgs, E F Drew Co, Mormacdale, Parnaiba
1,538 bgs, General Foods Co, Mormacdale, Parnaiba
1,538 bgs, E F Drew Co, Mormacdale, Sao Luiz
833 bgs, Spencer Kellogg Co, Mormacdale, Sao Luiz
3,974 bgs, General Foods Corp, Pachitea, Parnahyba
VALONIA CUPS—11,237 bgs, Barkey Importing Co, T J Stevenson, Izmir
2,832 bgs, Guaranty Trust Co, T J Stevenson, Izmir
EXTRACT—646 bgs, International Products Corp, Escabana Victory, Port Iero
VANILLA BEANS—26 cs, Wedemann & Godknecht Co, Fort Spokane, Liverpool
WATTLE BARK—2,200 bls, Bingham & Co, Greenley Victory, Durban
2,143 bls, Hammond & Carpenter Co, Greenley Victory, Durban
EXTRACT—1,497 bgs, River Plate Import & Export Co, Greenley Victory, Durban
986 bgs, Bingham & Co, Greenley Victory, Durban
250 bgs, American Dyewood Co, Greenley Victory, Durban
1,520 bgs, American Cyanamid Co, Robin Goodfellow, Durban
WOLFRAM ORE—1,945 bgs, Wah Chang Trading Corp, Flying Enterprise, Bangkok
111 bgs, Bureau of Foreign Commerce, Flying Independent, Korea
WOLFRAM OIL—300 bgs, American Trust Co, Dona Aniceta, Hongkong
500 bgs, F H Lenway & Co, Dona Aniceta, Hongkong
500 bgs, Stirlengville, Hongkong

Baltimore

CHROME ORE—6,578 tons, Mutual Chemical Co, Robin Goodfellow, Lourenco Marques
1,002 tons, Westinghouse Electrical International Co, Greenley Victory, Lourenco Marques
5,665 tons, Sussex Trading Co, Greenley Victory, Lourenco Marques
3,000 tons, E J Lavino & Co, Dona Aniceta, Masinloc
MANGANESE ORE—2,400 tons, Carnegie Illinois Steel Co, Robin Goodfellow, Durban
MICA SCRAP—500 bgs, Richmond Mica Co, Greenley Victory, Lourenco Marques
OLIVE OIL—31 dms, J Kopsiras Co, Escabana Victory, Piraeus
VALONIA EXTRACT—1,708 bgs, International Products Corp, Escabana Victory, Port Iero
WATTLE EXTRACT—3,172 bgs, River Plate Import & Export Co, Greenley Victory, Lourenco Marques

Philadelphia

CANARY SEED—425 bgs, Flying Independent, Casablanca
750 bgs, R T French Co, Escabana Victory, Casablanca
CHROME ORE—4,000 tons, E J Lavino Co, Maiden Creek, Masinloc
2,500 tons, E J Lavino Co, Flying Enterprise, Masinloc
502 tons, Frank Samuel Co, Greenley Victory, Mombasa
1,300 tons, E J Lavino & Co, Stirlengville, Masinloc
CRESYLIC ACID—67 dms, H A Gogarty, Inc, American Builder, Liverpool
100 dms, Geo A Street Co, American Builder, Liverpool
IRISH MOSS—600 bls, Atkins & Durbrow, Inc, American Builder, Dublin
OLIVE OIL—48 dms, Giacomo Foti Co, Escabana Victory, Casablanca
VERMICULITE, CRUDE—182 tons, Frank Samuel Co, Greenley Victory, Lourenco Marques

Norfolk

IRISH MOSS—400 bls, Atkins & Durbrow, Inc, American Builder, Dublin
LOCUST BEAN GUM—60 cks, John P Marston Co, American Builder, Liverpool
WATTLE EXTRACT—596 bgs, American Dyewood Co, Greenley Victory, Durban

San Francisco

CARAWAY SEED—100 bgs, Catz American of California, Bougainville, Rotterdam
CASSIA—70 bls, H M Newhall Co, Surprise, Hongkong
50 bls, Surprise, Hongkong
10 bls, D Hecht & Co, Surprise, Hongkong
25 bls, Cunningham & Co, Surprise, Hongkong
CELERYSEED—159 bgs, Internatio Rotterdam, Hoegh Silverlight, Bombay
COCONUT OIL—33 dms, Pacific Vegetable Oil Corp, Tatra, Hongkong
COPRA—500 tons, Pacific Vegetable Oil Corp, Hoegh Silverlight, Cebu
NUTMEGS—46 bgs, Holland Colombo Trading Co, Hoegh Silverlight, Singapore
OLIVE OIL—200 cs, Mailliard & Schiedell Co, Mount Davis, Isenoa
50 cs, Mount Davis, Isenoa
180 cs, R Vannucci & Co, Mount Davis, Leghorn
PEPPER, BLACK—100 bgs, Internatio Rotterdam, Bougainville, Rotterdam
RAPESEED OIL—200 tons, Murray Oil Products Co, Surprise, Hongkong
SAFFRON—2 cs, Monteverde & Parodi, Inc, Mount Davis, Genoa
SESAME SEED—6,085 bgs, Bank of California, Golden Gate, Corinto
TEASEED OIL—100 dms, S L Jones & Co, Surprise, Hongkong
200 dms, Leghorn Trading Co, Surprise, Hongkong
TUNG OIL—110 tons, China Mutual Trading Co, President Taft, Shanghai
179 tons, Von Gehr Low China Co, President Taft, Shanghai

Mines Bureau Issues Crude Oil Analyses

The Bureau of Mines has published a comprehensive report listing analytical data on crude oils from nearly 85 percent of the major producing fields in the United States. The report lists analyses on crude oils from 283 of the nation's approximately 340 major petroleum fields producing 2,500 barrels of oil or more daily.

A free copy of the publication, Report of Investigations 4289, "Analyses of Crude Oils from 283 Important Oil Fields in the United States," may be obtained by writing to the Bureau of Mines. Publications Distribution Section, 4800 Forbes street, Pittsburgh 13, Pa.

Petroleum Second Quarter Export Quotas Announced

The Office of International Trade has announced export quotas for the second quarter of 1946 for petroleum and petroleum products. The quotas, in barrels unless otherwise indicated, are as follows:

Petroleum, crude, 1,871,000; blending agents or anti-knock compounds of petroleum origin, 150,000; aviation motor fuel, 1,262,000; other motor fuel and gasoline, 5,020,000; kerosene, 500,000; gas oil and distillate fuel oil, 3,883,000; residual fuel oil, 1,263,000, and paraffin wax, refined, with melting point 143 degrees A. M. P. and below, 11,000,000 pounds.

Cincinnati Chemical Works Building Research Center

Cincinnati Chemical Works, Inc., has started construction of a new two-story and basement administration and research center for the manufacture of dyes and organic chemicals on Laidlaw avenue, Bond Hill, Cincinnati.

Koppers West Coast Head

Chales F. Hosford, jr., formerly president of the Pennsylvania Coal Products Company, Petrolia, Pa., has been named West Coast manager for the chemical division of Koppers Company, with headquarters in San Francisco. Mr. Hosford joined Koppers in 1947, after Pennsylvania Coal Products was purchased by and became an integral part of the Koppers chemical division.

Dempsey Opposes NLRB Welfare Program Ruling

Edmund J. Dempsey, assistant to the president of American Cyanamid Company, testified before the joint Congressional committee on labor-management relations last Wednesday in opposition to pension and retirement plans being a subject of collective bargaining. A recent decision of the National Labor Relations Board was to the effect that all features of an employer's welfare program are proper matters for collective bargaining.

He pointed out that his own company has thirty-five plants. Twenty-nine of these plants are organized; eleven by unions affiliated with the American Federation of Labor; ten by unions affiliated with the Congress of Industrial Organizations; and eight by unions affiliated with the independent United Mine Workers.

"The author of the board's opinion in the Inland Steel Company case indicates that the difficulties of such a situation presents 'go to the question of what terms may be agreed upon practically in the course of bargaining, rather than to the question of whether any bargaining at all can take place'," he said. "Stated thusly, the problem would appear to be simple—it is merely a question of the terms of the plan.

"But what about the practical aspects of the situation? Can you conceive of some twenty-nine different local unions, each striving to outdo the other in securing benefits for its members, all agreeing upon the same terms? Frankly, I cannot."

He said that he was in favor of pension plans on a company-wide basis covering, no matter where employed, all employees falling within the scope of the plan. His company has such a plan, the entire cost of which is borne by the company. It has never been the subject of bargaining in any of the contracts negotiated and renegotiated since 1944.

He expressed the belief that if welfare plans are made the subject of collective bargaining it will be detrimental not only to the interest of employers but to those of the employees for the effect of any such requirement will materially dampen the enthusiasm of any employer for the inauguration of a pension plan.

Sampson Joins Madlener

Edward Sampson has been appointed consultant for the William G. Madlener petroleum interests in Buenos Aires, South America. Mr. Sampson was formerly plant superintendent for the Velsicol Corporation at Marshall, Ill., and was previously associated with the Pure Oil Company.

Trade Briefs

Lion Oil Company has completed its new wildcat well in Crane County, Tex.

Texas Company plans construction of four 28,000-ton tankers.

Richfield Oil Corporation stockholders have voted retirement of 10,002 shares of common stock.

Pharmaceutical Processes In Germany Described

Processes for the manufacture of eleven pharmaceuticals and several intermediates developed by I. G. Farbenindustrie in Germany are described in a report now on sale by the Office of Technical Services. It states that the processes are of interest in themselves and present several novel methods of chemical synthesis. Among the products reported on are the following:—

"Pardinon" (meta-fluor-thyrosin); "Yatrensaure" (7-iodo-8-hydroxyquinoline-5-sulphonic acid); "W-941" (2-chlor-4-dimethylamino - 6 - methylpyrimidin); "Urazil"; "Solustibosan"; "Antimosan"; "Promurit"; "Tibatin"; "Galactose"; "Istizin"; "Cignolin" (1 - 8 dihydroxyanthranol); "Spirasol," and "Zephirol - Konzentrat" (alkyldimethylbenzylammonium chloride).

Mimeographed copies of the seventy-eight page German-language report (PB-80335, "Miscellaneous Pharmaceuticals and Pharmaceutical Intermediates Manufactured at I. G. Farbenindustrie A. G. Elberfeld") sell for $2. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Sulphuric Acid Output, Use In U.K., Eire, Jan. - Mar.

Production of sulphuric acid (including oleum) in the United Kingdom and Eire in the first quarter of 1948 totaled 403,995 tons (100-percent H_2SO_4), according to data issued by the National Sulphuric Acid Association. Consumption was 408,154 tons. Detailed data follow:—

Supply, Uses, Stocks

	Tons (100% H_2SO_4)		
	Chamber	Contact	Total
Stocks, Jan. 1	35,384	25,924	61,318
Production	199,134	204,861	403,995
Receipts	41,070	30,629	71,699
Oleum feed	.....	2,251	2,251
Adjustments	+21	+1,218	+1,239
Use at works	125,370	76,204	201,574
Shipments	116,834	159,816	276,650
Stocks, Dec. 31	33,415	28,863	62,278

Operations involved 93.4 percent of productive capacities: 89.3 percent at chamber plants and 97.8 percent at contact plants.

Raw Materials

	Tons			
	Pyrites*	Spent oxide	Sulphur & H.S	Zinc concentrates
Stocks, Jan. 1	62,009	164,304	47,275	10,511
Receipts	98,957	51,388	91,214	48,275
Adjustments	−308	−389	+4,225	+222
Use at works for acid	91,108	48,731	66,544	33,694
Shipments	393	3,526	71	.....
for other purposes	33	277	9	.....
Stocks, Mar. 31	69,115	166,494	76,089	23,314

* Receipts and use include anhydride "converted" to pyrites.

Consumption in Industry and Trade

	Tons 100% H_2SO_4
Accumulators	2,176
Agricultural purposes	177
Bichromate and chromic acid	2,361
Bromine	4,087
Clays (fuller's earth, etc.)	1,897
Copper pickling	749
Dealers	4,572
Drugs and fine chemicals	2,596
Dyestuffs and intermediates	19,288
Explosives	3,426
Export	1,012
Glue, gelatin and size	176
Hydrochloric acid	15,691
Hydrofluoric acid	1,178
Iron pickling (incl. tin plate)	22,266
Leather	1,853
Metal extraction	357
Oil (mineral refining)	10,116
Oil (vegetable) refining	1,914
Oxalic, tartaric and citric acid	2,074
Paint and lithopone	14,088
Paper, etc.	578
Phosphates (industrial)	971
Plastics, not otherwise classified	3,177
Rare earths	2,897
Rayon and transparent paper	39,889
Sewage	2,754
Soap and glycerin	918
Sugar refining	171
Sulphate of ammonia	63,318
Sulphate of iron	1,360
Sulphate of copper	3,747
Sulphate of magnesium	2,507
Sulphate of zinc	698
Superphosphates	134,366
Tar and benzole	4,198
Textiles uses	5,769
Unclassified (boric, boric chlorosulphonic, and formic acids, and aluminum sulphates, uses unknown)	19,659 8,692

Aluminum Research Lab To Be Built in Canada

Aluminum Laboratories, Ltd., subsidiary of Aluminum, Ltd., Montreal, Canada, is planning the construction of a research laboratory and pilot plant for investigation of problems in production of aluminum at Arvida, Quebec. The facilities are expected to be completed next year.

Miss Gries Retires From Tariff Commission

Miss Bessie M. Gries has retired from her position with the editorial section of the United States Tariff Commission. As a member of the section, Miss Gries helped in the preparation of many of the commission's publications, and she was formerly associated with its sugar division and textile division.

Carnegie-Illinois Steel Elects Darby Vice-President

Carnegie-Illinois Steel Corporation, Pittsburgh, has elected J. Douglas Darby vice-president in charge of sales, to succeed Thomas J. Hilliard, who has resigned. Mr. Darby joined the sales department of the company in 1919, and was made district manager of sales in Philadelphia in the same year. He was appointed general manager of sales in 1945.

Tennessee Eastman Names Cannon Chicago Sales Agent

Tennessee Eastman Corporation, Kingsport, Tenn., has appointed R. H. Cannon, jr., Chicago representative. Mr. Cannon will make his headquarters at 360 North Michigan avenue. He will be responsible for the solicitation and sales of the company's dye intermediates, lacquer solvents and derivatives of hydroquinone, as well as its other organic chemicals.

ELBERT & CO.
INCORPORATED
Pentaerythritol
White Arsenic
Metallic Arsenic
Crude Naphthalene
2 Broadway, N.Y.C
DIgby 4-2670

Methyl Crotonate
Ethyl Crotonate
and other
Crotonic Esters
Experimental and Pilot Plant Quantities
BOX NO. 722
OIL, PAINT AND DRUG REPORTER

Dawe's means Dependable
PRODUCERS OF
FISH LIVER OILS
VITAMIN A CONCENTRATES
VITAMIN D_2
Dawe's Vitamins, Inc.
4800 S. RICHMOND STREET
CHICAGO 32 ILL

"BEMUL"
BEACON BRAND of Glyceryl Monostearate
Characteristics: A Pure white, edible material—in bead form . . . is completely dispersible in hot water . . . also completely soluble in alcohols and hydrocarbons (hot) . . . has a pH (3% aqueous dispersion at 25° C.) of 9.3 to 9.7 . . . melts at 58 to 59° C. (Capillary Tube) . . . is non-toxic and practically odorless.
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Dyestuffs Processes In Germany Reported

German dyestuffs, dyestuff intermediates and related manufacturing processes, plant designs and research data are described in a comprehensive three-volume report now on sales by the Office of Technical Services. Nine American experts in the field of organic dyestuffs and intermediates collected the data in an investigation of seven I. G. Farbenindustrie plants and of three other German firms.

Volume I of the report covers intermediate processes and analytical procedures; volume II covers dyestuffs processes and engineering data, and volume III is devoted to dyestuff research. A bibliography and a list of personnel interviewed are appended, and the report contains numerous illustrations and diagrams.

Each volume of the mimeographed report (PB-85172, "German Dyestuffs and Dyestuff Intermediates") sells for $5. The set of three volumes is $15. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Calkins Named Chairman Of Toledo ACS Section

Lyle E. Calkins, chief chemist and materials engineer of Willys Overland Motors, Inc., Toledo, has been elected chairman of the Toledo section of the American Chemical Society, succeeding Dr. Harold A. Hoppens of the Plaskon Division of the Libbey-Owens-Ford Glass Company. Rolland Bowers of the Sun Oil Company was named vice-chairman, and Ben Smith, vice-president of Kellermeyer Chemicals, Inc., was elected secretary. Harold Lamlein of the Landers Corporation was chosen as treasurer.

Elected to the National Council of the Society for three years was Prof. Harold G. Oddy, head of the University of Toledo chemistry department, with Albert A. Dietz of the Toledo Hospital Institute for Medical Research as alternate councilor.

Abbott Labs Awards Two Grants to Illinois Univ.

Abbott Laboratories, Chicago, has awarded two research grants to the College of Medicine of the University of Illinois, to support investigations under the direction of Dr. Milan V. Novak, head of the department of bacteriology and public health.

One grant, of $4,500, will be used for the study of procedures and germicides in the preoperative preparation of the surgeon and patient. The other, for $2,850, will be used for the evaluation of particle size of penicillin procaine as related to effective blood levels in human patients.

DRUG ... ...

Monsanto Buys Plant

Monsanto Chemical Company, St. Louis, Mo., has purchased a surplus synthetic rubber plant adjacent to its plastics division plant in Springfield, Mass. The plant was originally designed for the production of polydichlorostyrene, but during past months has been leased by the company for the manufacture of oil additives. It will continue to be used for this purpose.

Miller Joins Stauffer

Stauffer Chemical Company, New York, has added Harry J. Miller to its sales staff as a field representative. Mr. Miller, who was formerly associated with the Goodyear Tire & Rubber Company, will make his headquarters in Akron, Ohio.

Los Angeles Chemical Moves Calkins Division

The Los Angeles Chemical Company, Los Angeles, Calif., has moved its Calkins division from 934 South Main street, in that city, to its general office and warehouse at 1960 Santa Fe avenue. The move was designed to consolidate the laboratory supplies handled by the Calkins division with the industrial chemicals handled by the general office and warehouse.

Hans Stauffer Named to Board Of Armed Forces Chemical Ass'n

The Armed Forces Chemical Association has added the name of Hans Stauffer, of the Stauffer Chemical Company, New York, to the board of directors elected at its recent meeting in Washington.

Trade Briefs

Toilet Goods Association has revised its standard for borax number four and has distributed it to its members.

Soda ash imports into Brazil during the second quarter of 1947 were reported to be 4,523 metric tons, valued at $286,600. The United States supplied 945 tons of this total, valued at $112,900.

E. I. du Pont de Nemours & Co. has established a new world safety record for construction at its Belle, W. Va., plant. The construction force at the plant has completed 3,417,291, man-hours without a disabling injury.

Ben-Dicator Company, Detroit, has developed a new small model of its diaphragm operated switch for signalling changes of material levels in bins, hoppers, screw conveyors and similar devices.

Robert L. Sibley, general manager of the rubber service department of the Nitro, W. Va., plant of the Monsanto Chemical Company, has been awarded the honorary degree of doctor of science by Clark University, Worcester, Mass.

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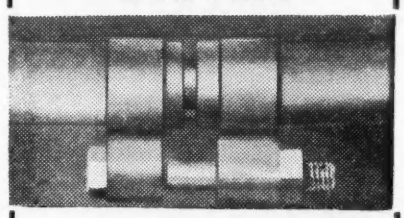

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Bids Wanted

Absorbent, oil & water, 200,000 pounds, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 4, June 9.

Bauxite, dried ore, 500 tons, Army Engineers Corps (Washington 25, D. C.) invitation 108, June 15.

Benzalkonium chloride, concentrate, 2,160 pounds, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 845, June 9.

Black pepper, 28,180 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 915, June 11.

Carbon remover, 26,500 gallons, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 4, June 9.

Chromic acid, 69,300 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 1268, June 8.

Cleaning & wetting compound, 39,500 pounds, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 1126, Supplementary No. 1, June 10.

Compressed gases, carbon dioxide, as required from July 1, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 817, June 28; carbon dioxide, liquid, 400,000 pounds, invitation 820, June 28; nitrogen, 70,000 cubic feet, invitation 822, June 28; 75,000 cubic feet, invitation 818, June 28; hydrogen, welding, invitation 823, June 28; ammonia anhydrous, 20,000 pounds, invitation 821, June 28; acetylene, welding, invitation 816 June 28; oxygen, welding, 200,000 cubic feet, invitation 819, June 28; oxygen & acetylene, Army Engineers Corps (Vicksburg, Miss.) invitation 8, June 15; Army Engineers (Ft. Peck, Mont.) invitation 61, June 14; ammonia, anhydrous, Army Engineers (Chicago 6, Ill.) invitation 626, June 9; carbon dioxide, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 1620, June 17; invitation 1612, June 16; chlorine, invitation 1599, June 17; dichlorodifluoromethane, invitation 1550, June 11; acetylene, invitation 1564, June 14; oxygen, breathing, invitation 1544, June 15; liquid air, 2,600 liters, liquid oxygen, 5,250 liters and liquid nitrogen, 8,000 liters, invitation 1633, June 17; hydrogen, invitation 1577, June 11; nitrogen, invitation 1574, June 11; ammonia, invitation 1608, June 16; nitrous oxide, invitation 1653, June 11; acetylene & oxygen, Army Ordnance Department (Rock Island Arsenal, Ill.) invitation 188, June 21; sulphur dioxide, 30,000 pounds, Army Engineers (Washington, D. C.) invitation 115, June 16.

Cutting oil, mineral lard, 1,500 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 399, June 18; 5,500 gallons, invitation 396, June 18; fatty mineral, sulphurized, 2,900 gallons, invitation 398, June 18; 9,900 gallons, invitation 397, June 18; 1,750 gallons, invitation 394, June 18; mineral, 4,950 gallons, Army Ordnance Department (Springfield 1, Mass.) invitation 93, June 10.

DDT, powder, 40,000 pounds, and spray, 45,000 gallons, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 6, July 12.

Dimethyl hydrogen phosphite, distilled, 20,000 pounds, Army Chemical Center, Md., invitation 486, June 11.

Dishwashing compound, soft water, 25,000 pounds, and hard water, 612,000 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 14, July 23.

Drugs & chemicals, various, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 855, June 9; invitation 874, June 11; invitation 865, June 11; invitation 884, June 11; invitation 872, June 11; invitation 863, June 10; invitation 862, June 9; invitation 873, June 11; invitation 869, June 11; invitation 864, June 11.

Dry cleaning solvent, 80,000 gallons, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 2, June 9; 263,000 gallons, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 4, July 12.

Engine preservative oil, 44,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 371, June 11; 44,000 gallons, invitation 372, June 11.

Fog oil, 14,700 gallons, Army Chemical Center, Md., invitation 487, June 16.

Fumigant, ships, as required from July 1, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 1652, June 18.

Fuel oil, as required from July 1, U. S. Air Force (Scott Base, Belleville, Ill.) invitation 29, June 11; diesel, 80,000 gallons, Army Engineers Corps (St. Louis 1, Mo.) invitation 176, June 9.

Ink remover, hands, 3,500 pounds, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 1, June 9.

Lard oil, 1,800 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 395, June 18.

Laundry starch, 595,000 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 12, July 14.

Lime, hydrated, approx. 300 tons, Army Engineers Corps (Washington 25, D. C.) invitation 113, June 17; approx. 300 tons, invitation 114, June 17.

Naphthalene, flake, 200,000 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 8, July 12.

Paint, enamel, 2,000 gallons, Army Chemical Center, Md., invitation 383, June 15; 200 gallons, Army Transport Corps (Marietta, Pa.) invitation 365, June 17; approx. 3,000 gallons, Fort Procurement & Transportation Corps (Brooklyn, N. Y.) invitation 197, June 14; 3,000 gallons, Army Ordnance Deparment (Metuchen, N. J.) invitation 385, June 16; 2,600 gallons, invitation 376, June 14; 15,000 gallons, invitation 384, June 16; 18,000 gallons, invitation 378, June 15; 4,000 gallons, invitation 377, June 14; 8,500 gallons, invitation 393, June 17; 5,400 gallons, invitation 390, June 16; **various,** 12,031 gallons, Army Transport Corps (Marietta, Pa.) invitation 365, June 17; approx. 1,089 gallons, Port Procurement & Transportation Corps (Brooklyn, N. Y.) invitation 197, June 14; 15,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 389, June 16.

Paint remover, 17,834 gallons, U. S. Air Force (McClellan Base, California) invitation 155, June 9.

Paint thinner, 115,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 1539, June 11.

Salt, rock or evaporated, 1,280,000 pounds, Naval Supply Center (Norfolk 11, Va.) invitation 6512, June 11; rock, 18,000 pounds, Chicago Quartermaster (Oakland 14, Calif.) invitation 167, June 14; iodized, 960,000 pounds, N. Y. Quartermaster (New York 3, N. Y.) invitation 888, June 9; evaporated, 300,000 pounds, Veterans Administration (Washington 25, D. C.) invitation 196-S, June 9.

Skin protective, 4,000 pounds, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 1, June 9.

Soap, laundry bar, 60,000 pounds, Post Office Department (Washington 25, D. C.) invitation 286, June 18; powder, 10,000 pounds, invitation 284, June 18; 33,120 pounds, invitation 268, June 14; toilet, 180,000 pounds, invitation 267, June 11; floating, 6,000 pounds, invitation 288, June 14; laundry powder, low titer, 292,000 pounds, and high titer, 1,650,000 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 12, July 14.

Sodium metasilicate pentahydrate, 27,000 pounds, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 12, July 14.

Sodium monofluoracetate, N. Y. Quartermaster Purchasing Office (New York 3, N. Y.) invitation 13, July 13.

Spices, various deliveries, Veterans Administration (Washington 25, D. C.) invitation 198-S, June 11.

Sweeping compound, 605,000 pounds, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 6, June 9.

Titanium pigment, calcium base, dry, 200,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 904, supplement No. 1, June 11.

Typewriter cleaner, approx. 2,812 pounds, Navy Purchasing Office (New York 3, N. Y.) invitation 2648, part 3, June 9.

Wax, paste, 200 pounds, liquid, 280 gallons, and water emulsion, 200 gallons, Army Engineers Corps (San Francisco, Calif.) invitation 189, June 10.

Wood sealer, 1,500 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 400, June 17; 1,002 gallons, invitation 388, June 16.

Yeast, 79,896 pounds, Bureau of Prisons (Washington 25, D. C.) invitation 3934, June 8.

Trade Briefs

California Refining Company has elected C. E. Allen president, to succeed Fred Powell, who has resigned.

Suburban Propane Gas Corporation, Whippany, N. J., has appointed S. J. McLagan retail sales manager.

Trans-Continental Gas Pipe Line Company has been conditionally authorized by the Federal Power Commission to construct and operate a natural gas pipeline project extending from the Gulf Coast area of Texas and Louisiana to the east bank of the Hudson river in New York City.

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Essential Oils, Other Aromatics

Depression of prices in the essential oils and aromatic chemicals market has brought the index down approximately to that prevailing in August, 1940, and there is reason for the belief that the decline in quotations has about run its course. The dollars in which products other than oils are priced today have not the same purchasing power as those serving as the medium of exchange in 1940. Practically everything constituting the cost of doing business is far higher today than then. Such facts do not argue for continued decline in prices generally. Yet, many oils today stand close to 1940 levels.

Much of the inflation of prices attained during the war has been dissipated and today's quotations prevail when inventories of both raw materials and manufactured products of buyers are high. Until these inventories are substantially reduced, activity in this market can hardly be expected to improve substantially.

Only in certain oils do today's prices stand sharply above those of 1940. Among such oils are Bourbon geranium, peppermint, sandalwood, spearmint, and wormwood. Geranium and sandalwood are imported, while peppermint, spearmint and wormwood are domestics. So far as domestic oils are concerned, the latest assertions of their producers is that on the basis of labor costs today, oils must continue to sell at approximately current levels if the oils are to be produced at all. In the instances of the imported materials, Bourbon geranium is subject to official price control at the source, and the mere fact that consumption of sandalwood has decreased sharply in ratio to the development of other and, it is alleged, more effective remedial agents, would alone argue for a permanently higher level of prices.

Changes in quotations came mainly in oils of lesser importance in the general market affairs. They were all declines, coming in redistilled cajeput, cardamom, cedarwood, and celery seed oils. The balance of items comprising the market as a whole were retained at steady price positions despite the low level of total volume of sales.

Essential Oils

Almond—Demand remained at a loose end; most consumers were reported holding more than sufficient stocks to cope with the currently small requirements, and, therefore, offerings of additional supplies failed to attract regardless of price. However, it may be pointed out that this N. F. article has retained a steady and unchanging price position for a number of months—at a time when the trend of most essential oil prices has been continuously downward. The easing of prices on bitter oil free from prussiac acid has been moderate in the extreme. In general spot prices reflect the steadiness of quotations in the primary market.

Angelica—The price likely to be asked for this item was apt to be one set on the basis of the prices paid when current stocks were obtained. This fact appeared to be reflected in the very wide range in prices—root oil standing $110 to $200 per pound according to seller. Sales usually take place with the element of competition being absent and it would require a much more active market than that prevailing over the past six months to permit competition to shake quotations down to a competitive basis.

Bay—The quotations on this article have withstood the unsettling effect of competition that has governed the market as a whole for a considerable length of time. For many weeks, quotations on both Puerto Ricanian and West Indian oils have been well stabilized and their position during the past week still gave evidence of the presence of such stabilization. Demand was reported to have a steady quality even though it lacked considerable in the point of volume.

Bergamot—A price range of $4 to $6 per pound would appear to be extraordinary in an article containing not less than 36 percent of esters calculated as linalyl acetate but such was the market according to dealer and the interest of consumers remained at low ebb, especially as concerned the soap manufacturers whose stocks of manufactured goods have led to a reduction in soap production and, hence, in the use of soap-perfuming materials. There appeared to be more than sufficient oil unsold in hands of dealers to cope with any reasonable expansion in buying.

Market Trends

Prices Advanced

None

Prices Reduced

Cajeput, redistilled, 15c. per lb.
Cardamom, $1 per lb.
Cedarwood, 5c. per lb.
Celery seed, $1 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.8	127.8	131.2	196.3

(For Current Prices see Page 9)

Bois de Rose—Prices have held unchanged since the last, though slight, rise in local quotations, a movement that reflected the replacement position more than it did active buying by consumers out of the spot stocks now available. The undertone continued to be on the steady side last week and demand was mainly jobbing in character.

Cajeput—The last change in price on this article came in January but movement in quotations was revived last week when one quarter reduced the market to the basis of $2.60 per pound for redistilled, USP IX oil. One quarter wanted as much as $4.50 for the same quality of merchandise. Crude oil, offered sparingly at whatever price, remained at $2.15 to $2.45 as to dealer. No supplier reported more than hand-to-mouth requirements coming to the market.

Cananga—Consumers of this high cost item were reported aloof from the market because of the fact that their inventories of unused stocks of oil consist of merchandise bought when the market was much higher than it is today on either the crude of rectified oils. Dealers do not look for a resumption of active buying until such time as inventories of high cost oil have passed into finished products.

Cardamom—Competition has appeared in the market and quotations in one quarter were reduced to $24 per pound last week. The range was to $31.50 according to seller. At the new, minimum price just established, the market was back virtually to its 1947 level but is 50c. per pound higher than it was a year ago approximately at this time. The basic raw material from which it is obtained turned strong and advanced sharply last week.

Cassia—Business in this commodity continued depressed by the curtailment of activity by manufacturers of soaps. Unsold stocks of soap were reported at high levels and a cutback in operations has also resulted in a lessening of consumption of this scenting material. The market stands minimum at $2.10 per pound, a level reached by steady and continuous decline from the high level of $3.50 that prevailed early in 1947. Most of the decline took place between August, 1947, and April of this year.

Cedarwood—Declining prices continued to unsettle the market. Last week, oil in drums was dropped to a minimum of 48c. per pound in one direction, though others continued to hold for prices that in some instances were as high as 85c. The trend of prices has been steadily downward since August, 1947. Demand was only for immediate requirements last week and volume remained low.

Celery—No immediate connection between the price for seed and that for oil accounted for the decline in oil prices to $14 per pound in one direction during the past week. Those with higher cost merchandise still in a store quoted upwards of $20 per pound but actual sales were moderate at both ends of the range.

Cinnamon—Declines were not extended further last week on bark oil, which material became rather stable. Demand remained relatively light and the range extremely wide. Leaf oil was more clearly defined as to price, ranging from $1.20 for Seychelle oil to $1.50 for the produce of Ceylon.

Citronella—Curtailment of consumption in this country has followed the lowering of sales of numerous articles of which this oil is a constituent. Quality plays more of a part in this material than almost ever before and it appeared last week that few manufacturing consumers would entertain offerings of any oil save the estate product. Consumers inventories will have to be worked down considerably before substantial buying may be resumed.

Cubeb—The fact that raw material may be bought much cheaper today than

For Late Market Developments, See Page 4

a year ago has been rather throughly reflected in the quotations now asked for this slow moving oil stocked on spot. Today, it is minimum as $6.75 per pound whereas early in 1947, $12 was being quoted. Stability has ruled the local prices for a number of months and the market retained all that stability during the past week.

Dill—Both seed and weed oil were in relatively low supply on this market and it is too early to ascertain definitely the probable production from weed now being grown in the Far West. Last reports were rather adverse to the production of a supply likely adversely to affect prices when the crop begins to move to manufacturing consumers when the pickling season gets into full sway.

Eucalyptus—Lack of more than conservative trading on the part of manufacturing consumers kept prices on the oil rather unsettled and made for conditions more favorable for consumer operations. Prices lacked further decline during the past week but they were still subject to occasional shading and lacked signs of coming stability. Much of the future trend of prices will depend on how the Australian market turns during the coming months.

Ginger—Basic raw material recently underwent a considerable advance when sales volume in goods sold through London increased substantially. Buying has relapsed and prices have turned reactionary. Oil quotations retained stability throughout the development in raw material and the lowest of spot quotations was still stable during the past week.

Grapefruit—Florida oil continued to be priced to the greatest advantage of consumers but both that item and the product from California were very steady last week and the call, while not large, was steady when it came to quantities of moderate size.

Lavender—It is difficult to believe that a year ago the price for 30 degree ester oil was minimum at $5.95 per pound while today is plentiful at $2.85. It is still 85c. higher than the market that prevailed when World War II began. When the dollar of today is compared with that of 1938, however, today's price for oil is very low. Stocks of all kinds of lavender oil were reported substantial in size on spot and consumers of the same were carrying inventories of a size calculated to keep sales volume of dealers on the low side. Russian oil was still quoted at $11.75, compared with the top quality of French flower oil available at $4.25 to $10.15, according to seller.

Lemon—The very backward season has hurt sales volume of this article whether from California or other domestic sources, or from Italy. However, oil prices have retained much more of stability than have other oils in this market and fluctuations in quotations have been within a comparatively narrow range for some time past. Demand remained lethargic last week but quotations did not change.

Lemongrass—Further cables from the Far East failed to stir buyers into activity. Their current inventories care for current requirements and could well cover any reasonable increase in consumer undertakings without affecting prices much. Representatives of shippers reported difficulty in getting any counterbids for cabling to the source. Sellers there and potential buyers here were still separated by about 20c. per pound in their views.

Mustard—The artificial oil, so far as the producers have been concerned, has not been changed from the $1.45 per pound level in force for consumer operations for a long time past. One local dealer recently quoted the market on spot at $1.35 but almost immediately returned the price to $1.45. The report of a $1.35 figure brought a prompt declaration from a producer that, based on what the producers charge dealers, no dealer can sell profitably at $1.35. It seemed probable that the spot market might reasonably be called $1.40 to $1.45 in the majority of suppliers.

Orange—Sales have been kept moderate in size by the extremely unseasonal weather thus far this Spring. Throughout the second quarter, it has been cold and wet and it still is that even though the Summer solstice is now not far away. Prices were reported as being reasonably steady last week—possibly definitely so when the currently low volume of transactions was reckoned with.

Palmarosa—Based on recent demand, the spot supply was said to be sufficient but consumption has been less than normal and the situation it considered to be most uncertain now that reports from the source indicate that stocks were not arriving at the shipment ports in quantities normally to be expected from the interior. It seems to be a matter of transport failure but some gain in arrivals has taken place of late and the market price had declined at the source.

Patchouli—News in the oil market was not very important but advices from the Seychelles government stated that all exports of leaves had been placed under the control of the Director of Agriculture. All shipments must be licensed, inspected, and examined by the director. If the oil content is less than 40 litres per ton, or that foreign leaves extraneous matters are contained in the proposed shipments, the director may refuse to issue an export license.

Pennyroyal—It was doubtful of any oil would be distilled in this country this

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year. Labor ordinarily available at some time during the season is more concerned with coping with the production of foodstuffs and little of, even on the family type of farms, can be diverted to the manufacture of oil from this weed. Stocks of imported goods were of excellent size and were held at steady prices last week.

Peppermint—The market was normally inactive. With the crop mainly in the ground and with the distillation season not to start until late July or early August, dealers and consumers alike have reported inactivity. Dealers are loath to buy old crop in the primary market and consumers have their attention centered more on the crop to come than the one being carried over.

If farmers suit the word to the action, then the fact that oil cannot be produced profitably to sell for less than present prices may play a part in determining the acreage to be cut and the amount of oil actually to be produced this year. In 1947, the first estimate of production was 1,624,000 pounds. The final report gave total output as 1,603,000 pounds.

Spearmint—The market continued to maintain a steady quality despite the fact that sales were on a reduced basis as the result of consumers' desire to profit should 1948 production result in a break in new crop prices. Last year, the final crop report for the year made output 481,000 pounds, which compared with the early season estimate of 410,000 pounds.

Aromatic Chemicals

Acetophenone—Sellers took a steady view of the market, indicating that production costs tend toward the stabilization of present prices regardless of the lack of substantial consumer interest at present.

Amyl Salicylate—Because of the general strength of salicylates as the result of the situation in basic raw material, this perfumers' material was firm in price even though spot demands were usually on a hand-to-mouth business because buyers' inventories were believed sufficient for the present time.

Anethol—Undertones were steady, reflecting the absence of further weakness in raw material and the more stable price position noted of late. Demand for anethol was distinctly routine and was mainly for immediate requirements.

Cetyl Alcohol—The market was quiet for the most part but prices have not gained in unsettlement of late and producers took a reasonable steady view on the market—though it was admitted that conditions were rather favorable for manufacturing consumer operations.

Ethyl Acetate—The market undertone has been undermined to some extent and quoted prices seemed to be none too steady during the past week when demand from the aromatic products producers was none too steady.

Givaudan-Delawanna Erecting New Building

Givaudan-Delawanna, Inc., aromatic chemicals, New York, has started construction of a new building at its plant in Delawanna, N. J. The new building will have the company's perfume specialty department and will provide space for the packaging and shipment of all products.

A special ventilating system is being installed in the two-story structure to provide an atmosphere free of contamination from odoriferous material and enable perfumers to work under the most advantageous conditions. The current construction schedule calls for completion of the new facility late this year.

Trade Briefs

Musk exports from Hong Kong to the United States during the first two months of 1948 totaled twelve pounds, valued at $2,412.

Smith Victory Corporation, Buffalo, N. Y., has purchased the business of Al Rosenfeld, Inc., perfume bottler and distributor, New York.

Waval Thermal Company's plant at Los Angeles, Calif., was recently damaged by fire. The plant manufacturers hair-wave lotions and cosmetics.

Cassia oil exported from Hong Kong to the United States during the first two months of 1948 totaled 5,460 pounds, valued at $7,321.

Lime oil production in the State of Colima, Mexico, has dropped to almost non-existent levels, according to recent reports. Heavy demand for the oil during the war had brought its production into a dominant place in the industrial scheme of the state, but an almost total lack of demand is reported since the cessation of hostilities.

Obituaries

Carl Van Laaten

Carl Van Laaten, special western representative of the Wyandotte Chemicals Corporation, died recently in Mercy hospital, Chicago. He was fifty-eight years old.

Mr. Van Laaten entered the chemical industry in 1909 with Edward Hill's Son & Co., then sole agent for the Michigan Alkali Company, predecessor of the Wyandotte Chemicals Corporation. In 1916 he helped to form the Merchants Chemical Company, but spent most of his career in the employ of Michigan Alkali and Wyandotte.

Harvey E. Sayles

Harvey E. Sayles, chief chemist in charge of the control laboratory of the S. E. Massengill Company, pharmaceutical manufacturer, Bristol, Tenn., died recently in Kings Mountain Memorial hospital in that city.

Mr. Sayles joined the company in 1932 and was considered to be chiefly responsible for the growth of its analytical and ampul department. He had previously been associated with the Hoffman Pharmacal Company and the Rex Products & Manufacturing Company, both of Detroit, and had served as an analyst of drugs and related products for the State of Michigan.

Jonathan Baker, retired sales director for Ohio of Boericke Runyon, pharmaceutical chemist, died May 31 in Cleveland. He was fifty-seven years old. Mr. Baker had been with the chemical firm for twenty-five years prior to his retirement.

Fielder J. Coffin, retired director of the foreign department of the Sun Oil Company, died May 30 at his home in Sarasota, Fla. He was sixty-four years old. Mr. Coffin joined the oil company as manager of its New York office in 1919 and was appointed director of the foreign department in 1934. He retired in 1940.

Edward W. Crellin, donor of the Crellin Laboratory of Chemistry at the California Institute of Technology, died recently at his home in Pasadena, Calif. He was eighty-five years old. Mr. Crellin was founder of the Des Moines Bridge & Iron Works.

Jacob Davis, founder and president of the Overall Paint & Lead Company, Cleveland, Ohio, died recently in that city. He was sixty years old.

Harold N. Elterich, advertising manager of the international division of the Bristol-Myers Company, died June 1 in Mountainside hospital, Montclair, N. J. He was fifty-two years old.

Albert A. Forster, superintendent of the Eagle Works Division of the Standard Oil Company (New Jersey), died June 2 in Muhlenberg hospital, Plainfield, N. J. He was fifty-one years old. Mr. Forster joined the company in 1928 and had been named superintendent of the Eagle Works a year ago.

Frederick C. Havemeyer, son of Theodore A. Havemeyer, vice-president of the American Sugar Refining Company, and nephew of Henry O. Havemeyer, organizer and president of that company, died June 1 in New York hospital. He was sixty-eight years old.

Philip F. Mahon, chief shipping clerk of the Bayway, N. J., refinery of the Esso Standard Oil Company, died May 31 at his home in Elizabeth, N. J. He was forty-four years old.

Ralph M. Murray, sales manager of Canadian Durex Abrasive, Ltd., Brantford, Ontario, Canada, was found dead on June 1 at the bottom of the Niagara gorge, Niagara Falls, N. Y. He was forty-one years old.

Hindle Visiting Canada

John L. Hindle, managing director of Standard Synthetics, Ltd., distiller of essential oils and manufacturer of synthetics, London, England, has arrived in Canada to visit the Canadian International Trade Fair in Toronto. Mr. Hindle will remain in Canada for several weeks to renew business contacts in Toronto and Montreal.

Becker With M.M.&R. Thirty Years

Henry J. Becker recently celebrated the thirtieth anniversary of his association with Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals firm, New York. Mr. Becker has been the company's sales representative in Indiana, southern Illinois, western Kentucky and southern Ohio during all that period.

Softball League Still Led by Mallinckrodt

The Mallinckrodt Chemical Works softball team suffered its first defeat in league competition for the current season last Thursday night, when it was outhit by the Fritzsche Brothers team to the tune of 8 to 6. The defeat failed to dislodge the Mallinckrodt team from its strongly entrenched position at the head of the league, but enabled the Fritzsche Brothers group to maintain second place.

On the previous night the Norda Essential Oil & Chemical Company team had edged out the Upjohn Company aggregation by a score of 9 to 8, thereby tying Fritzsche Brothers for the second place position. The Magnus, Mabee & Reynard team, which was also tied for second position in the previous week, was dropped to the third slot. Current standing in the league at the OIL, PAINT AND DRUG REPORTER'S press time was:—

	Won	Lost	G.B.
Mallinckrodt	6	1	—
Norda	3	2	2
Fritzsche Brothers	3	2	2
M. M. & R.	2	2	2½
Dodge & Olcott	1	4	4
Upjohn	1	5	4½

Givaudan-Delawanna Has New Flavor Catalog

A two-color, twenty-four page catalog, listing and describing a large group of flavors, has been issued by Givaudan-Delawanna, Inc., New York. The flavor materials offered by Givaudan are classified according to suggested uses and are offered for the confectionery, extract, summer beverage, tobacco, ice cream and other industries.

St. Regis Develops New Bag

The packaging division of the St. Regis Paper Company has entered the citrus field with a specially designed multiwall paper bag and mechanical packer. Called the "Citrobag," the new chemically treated container developed by St. Regis for the shipment of citrus fruit, has a capacity of approximately forty-five pounds, or half that of the traditional wooden box.

Cargille Scientific Offers New Odor Control Equipment

Cargille Scientific, Inc., manufacturer of scientific apparatus and reagent chemicals, New York, is marketing a new product known as the "Maskol Odor Control Set" which is designed to control odors of manufactured products. The set contains quantities of twelve different odor masking agents that are now used in numerous industries to increase the marketability of products having unattractive odors. A descriptive leaflet will be sent on request to the company.

Myers Named Plant Manager For Two Perfume Companies

Harry B. Myers has been appointed plant manager at Bloomfield, N. J., for Prince Matchabelli, Inc., and Alfred D. McKelvy Company, toiletries and perfumer manufacturers, New York. He succeeds F. X. Montbach, recently resigned. Mr. Myers formerly was assistant production engineer at Greensboro, N. C., for Vick Chemical Company, New York.

Hercules to Preview Film

Hercules Powder Company, Wilmington, Del., will hold a preview of its new sound and color motion picture, "Problem-Solution-Result" at the Lord Baltimore hotel, Baltimore, Md., on June 15.

Trade Briefs

Sun Oil Company has begun large scale operation of its new terminal at River Rouge, Mich.

Ho oil exported to the United States from Hong Kong during January and February, 1948, totaled 1,436 pounds, valued at $1,632.

Musk shipped to the United States from Shanghai, China, during the January-March quarter of this year totaled thirty-five pounds, valued at $5,918.

Chatham Pharmaceuticals, Inc., Newark, N. J., has appointed Murray Breese Associates, Inc., New York, to handle its medical and drug journal advertising.

Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, recently sponsored a luncheon in honor of Thomas O'Neill to celebrate his fiftieth anniversary with the company.

Papain exported from Tanganyika Territory, Africa, during November, 1947, totaled 205 hundredweight. Of this total, 185 hundredweight went to the United States and twenty hundredweight to the United Kingdom.

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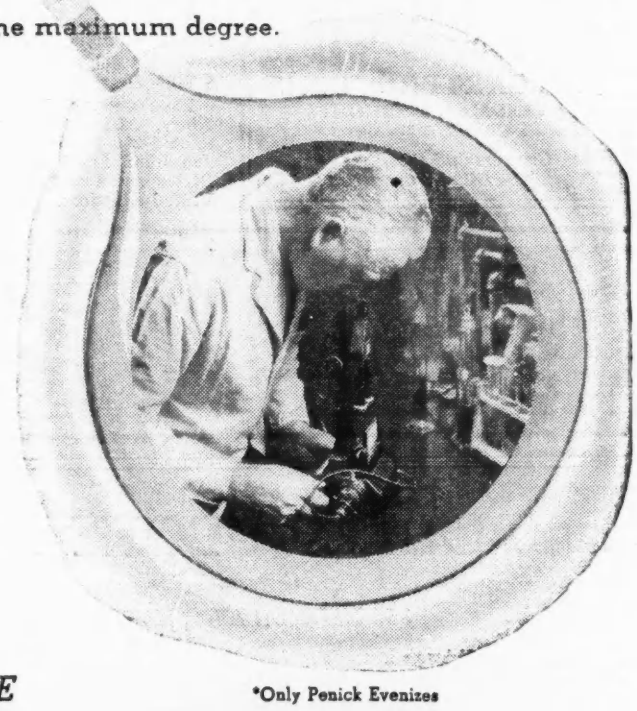

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Botanical Drugs, Spices, Gums

Slowly bending prices on large flake manna, Mexican sarsaparilla, and clover tops were inclined sufficiently to reduce the index by 0.9 point to establish 219.4 as the new low for the rather extended decline in the market indicator. There were also declines in a number of other medicinal botanics and the market was devoid of advances save for two grades of ginger.

Condimental items developed price movements in which advances exceeded declines by a narrow margin. Such materials were objects of extremely light request with the exception of black pepper, the price for which soared steadily under the influence of good business here and advancing prices in the primary markets. White pepper made a sort of weak sister advance. Cardamon, in the cheapness of its rise, was an excellent companion for pepper.

The fact that declines in prices for the medicinal drugs have been whittled down to relatively small amounts in most instances was counted a favorable factor in a market not notable of late for more than moderate demand, and in one that has been rather well scratched of late by the rake of declining quotations.

The market appeared to have elements of greater stability and the fact that replacement prices are not dropping substantially further was also counted a favorable symptom regardless of what the volume of request may be in the future. Growing resistance to the merely competitive pricing of items was to be found and an adverse collection in 1948 would probably find quick reflection in the general level of values.

More and more, dealers are advising consumers that wisdom is to be found wherever consumers accept the dictum that goods actually in store are far better risks than goods potentially available at the origins. World conditions rather discount the virtue of continuously low consumer inventories and the belief that such inventories were run down to a serious degree in 1947 was growing.

Balsams

Copaiba—The market was shaded once again and sales on the basis of 65c. to 66c. per pound were fairly frequent during the past week. However, most transactions involved quantities of conservative size.

Peru—The spot was reasonably steady but buyers bought usually in quantities sufficient only to cover their fairly nearby needs. However, the business transacted was sufficient to keep competition more or less repressed throughout the entire trading period.

Barks

Cinchona — Whatever pharmaceutical bark may be selling in quill or powdered form at this time originates in the Central American sources of supply. The Netherlands Indies have yet to place the old time 10 inch and 20 inch Far Eastern quill on this spot.

Cocillana—It was learned last week that use of this article in this country dates from around 1888 as the result of observations made directly in the cocillana primary market by one of America's most noted botanists. All of which has interest of a sort in a week of exceptionally—though entirely normal for the season—light demand.

Cottonroot—More than enough of this article was in hand against needs to arise between now and the advent of the new crop collection period which comes after the cotton crop is gathered in the south. The present market position was reported as steady despite light call.

Imports Detained by FDA

New York

Week Ended May 28

Cassia oil, 10 drums: not USP.

Cod oil, 151 drums: decomposed.

Fenugreek seed, 160 bags: filthy.

Hyoscyamus muticus, 19 bales: not official variety.

Laurel leaves, 180 bales: filthy.

Mace, 7 barrels: filthy.

Nutmegs, 132 bags, 20 cases: moldy and wormy.

Pepper, black, 2,202 bags: moldy and insect bored; excess siftings and pickings.

Turmeric, finger, 160 bags: filthy.

Market Trends

Prices Advanced

Drugs

Ginger, Jamaica, No. 3, ¼c. per lb.
Rhattoon, ½c. per lb.

Other Articles

Anise, star, ½c. per lb.
Cardamom, bleached, bold, 10c. per lb.
medium bold, 13c. per lb.
green, Alleppy, 10c. per lb.
Cassia, China, extra select rolls, ½c. per lb.
Celery seed, India, ½c. per lb.
Gold of pleasure seed, 10c. per lb.
Laurel leaves, Portuguese, 1c. per lb.
Greek, ½c. per lb.
Pepper, black, No. per lb.
white, 1c. per lb.
Rosemary leaves, Portuguese, ½c. per lb.

Prices Reduced

Drugs

Calendula flowers, 5c. per lb.
Cantharides, Chinese, whole, 5c. per lb.
Cassia fistula, 1c. per lb.
Clover tops, 2c. per lb.
Copaiba balsam, 2c. per lb.
Ipecac root, 15c. per lb.
powder, 15c. per lb.
Linden flowers, with leaves, 1c. per lb.
Manna flake, large, 5c. per lb.
Sarsaparilla root, Mexican, 5c. per lb.

Other Articles

Cassia, Yunnan, ½c. per lb.
Clove, Madagascar, spot, ¾c. per lb.
futures, ½c. per lb.
Coriander seed, Moroccan, ¼c. per lb.
Nutmegs, East Indian, 1c. per lb.
West Indian, ½c. per lb.

Comparative Price Indexes

(1oo=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
219.4	220.3	225.6	281.2

(For Current Prices see Page 9)

Beans

Calabar—This article was only a name in botanical drug lists. Most quarters had none. The trifle available had little interest for anyone. Yet prices were steady.

Tonka—More than the usual amount of demand current during the past several weeks appeared in local circles during the past week and the result was a firming of undertones without the market improvement extending to the matter of price quotations.

Berries

Cubeb—A dull market was featured by steady unchanging spot prices that were backed by a sufficient but certainly not unduly substantial spot stock of this merchandise which, for a number of weeks had been noted for price stability.

Hawthorn—Jobbing demand made up most of the call and there was one too much of that sort of business current during the past week. Prices were generally steady, being in line with replacement cost.

Flowers

Calendula—Possibly in anticipation of replacing to greater price advantage when European sources shall offer new crop goods, quotations for spot merchandise were shaded to the basis of 80c. to 85c. per pound without stirring consumers to much activity last week.

Clover Tops—Some domestic sources of supply show a tendency to quote the article down at the moment and on the spot, prices turned up a shade lower on the basis of 58c. to 60c. per pound, prevailing according to seller and quantity.

Linden—A limited quantity of this article with leaves sold at the slightly more favorable price of 33c. to 34c. per pound. Flowers without leaves held to a very steady price position but were not inquired for very often during the period reviewed.

Gums

Arabic—Spot prices continued to show the added firmness developed during the past month as values stiffened at the origin and shippers showed a dwindling tendency toward acceptance of bids. Demand in local circles was also reported fairly active within moderate limits.

Benzoin—Demand was on a hand-to-mouth basis throughout the past week and it was readily supplied from adequate stocks at prices of reasonable firmness throughout the period under review. Replacement cables have not shown much change in primary market sellers' price views during the past month or so.

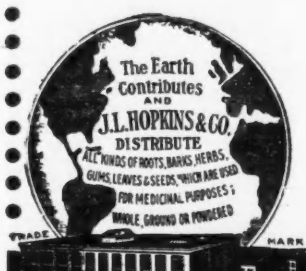
Camphor—The break in turpentine prices has not shown up in any shift in the prevailing price schedule on synthetic camphor. The break in raw material prices had been very sharp and should the new, low levels become reasonably stable, lower prices on camphor would not come as a surprise since the leading producers have

For Late Market Developments, See Page 4

FOR PROMPT DELIVERY

from New Arrivals

Althea Root, Cut	Digitalis Leaves
Asafoetia	Euphorbia Herb
Benzoin Sumatra	Hawthorn Berries
Burdock Root	Horehound Herb
Catnip Leaves & Tops	Juniper Berries
Chamomile Flowers	Nux Vomica
Cocculus Indicus	Rhatany Root
Dandelion Root	Uva Ursi Leaves



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CRUDE DRUGS

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67

This seed's position in medical lore today is credited to Burroughs Wellcome & Co., London, chiefly because of information given Henry S. Wellcome by Henry M. Stanley the explorer, who, sent by the New York Herald to find Dr. Livingstone, medical missionary, found him in Darkest Africa.

Indentified in 1802, its use as an African arrow poison became known in 1860. One seed variety, *Strophanthus hispidus*, yielded a poison called "inee" or "onaye". The other, *Strophanthus kombe*, produced "kombi" or "gomba".

Livingston reported the poisons as powerful cardiacs that reduced the pulse sharply. Authorative medical recognition came about 1885.

Did You Know That

THE PRESIDENTS

Died

June 1, 1868—James Buchanan, 15th President
June 8, 1845—Andrew Jackson, 7th President
June 15, 1849—James K. Polk, 11th President

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GUMS:
GUM ARABIC
GUM ARABIC BLEACHED
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN

SPECIALTIES:
MENTHOL (Crystals)
★
TARTARIC ACID
★
CREAM OF TARTAR
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
★
JAPAN WAX
CANDELILLA WAX

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always shown a tendency to keep camphor prices in ratio with the cost of raw material.

Herbs and Leaves

Adonis Vernalis—Stocks were counted as conservative and recent proposals from source markets have not included any substantial quantity of this item. Price-wise, the market held steady.

Belladonna—Europe has been rather slow in restoring its predominant position as the world's supplier of this merchandise and it is not clear now that the shipments made in 1947 will be exceeded when the 1948 crop is ready for sale. A fair sized domestic-cultivated crop is in prospect in this country.

Buchu—Stabilization of prices in all markets appeared to have been achieved and despite the fact that spot demand was light last week, sellers maintained quotations in steady fashion and had no tendency to shade them for the time being at least.

Jaborandi—The outlook for an ample supply of this merchandise was considered good in its primary market and indications were that consumers in this country would probably use as much this year as they did in 1947. Prices remained on the steady side, being considered as favorable when compared with what primary market points ask now.

Laurel—Portuguese was higher at 8c. to 8½c. per pound and the Greek also was advanced to 8½c. to 9c. Only Turkish remained unchanged, being held for 14c. to 14½c.

Rosemary—Portuguese material sold at 8c. to 8½c. per pound, being the only change to develop in quotations on this item. The slight advance reflected some shift in the replacement cost of the item.

Thyme—Some folk on spot have rather grandios ideas as to the value of French material. Such directions talk spot goods at 32c. to 32½c. per pound but with replacement selling steadily and often at about 18c. to 19c. per pound, other directions considered 25c. a fair price for spot merchandise. Spanish material lacked change.

Miscellaneous

Cantharides—Lack of trade emphasized the competitive character of the market for whole flies by pressing the price down to the basis of $1.25 to $1.30 per pound without affecting powder which continued to sell for $1.50 to $1.55—when it sold at all, which was not too often during the past week.

Cassia Fistula—Some sliced recent prices slightly last week and at the end of the trading period the market was quoted 24c. to 25c. per pound, being also called rather dull at that time.

Manna—Sales of large flake at $1.70 to $1.75 per pound did not take place very often last week but such was the slightly lower market reported locally. Small flake remained relatively steady.

Papain—The market has shown signs of pending recovery from the very low price levels to which it had sunk because of special circumstance in the recent past. At no time during the sinking of quotations, however, did the price views in markets other than the Far East reflect the prices at which some sellers in Ceylon had indicated willingness to do business. A rise in prices seemed to be a reasonable expectation.

Roots

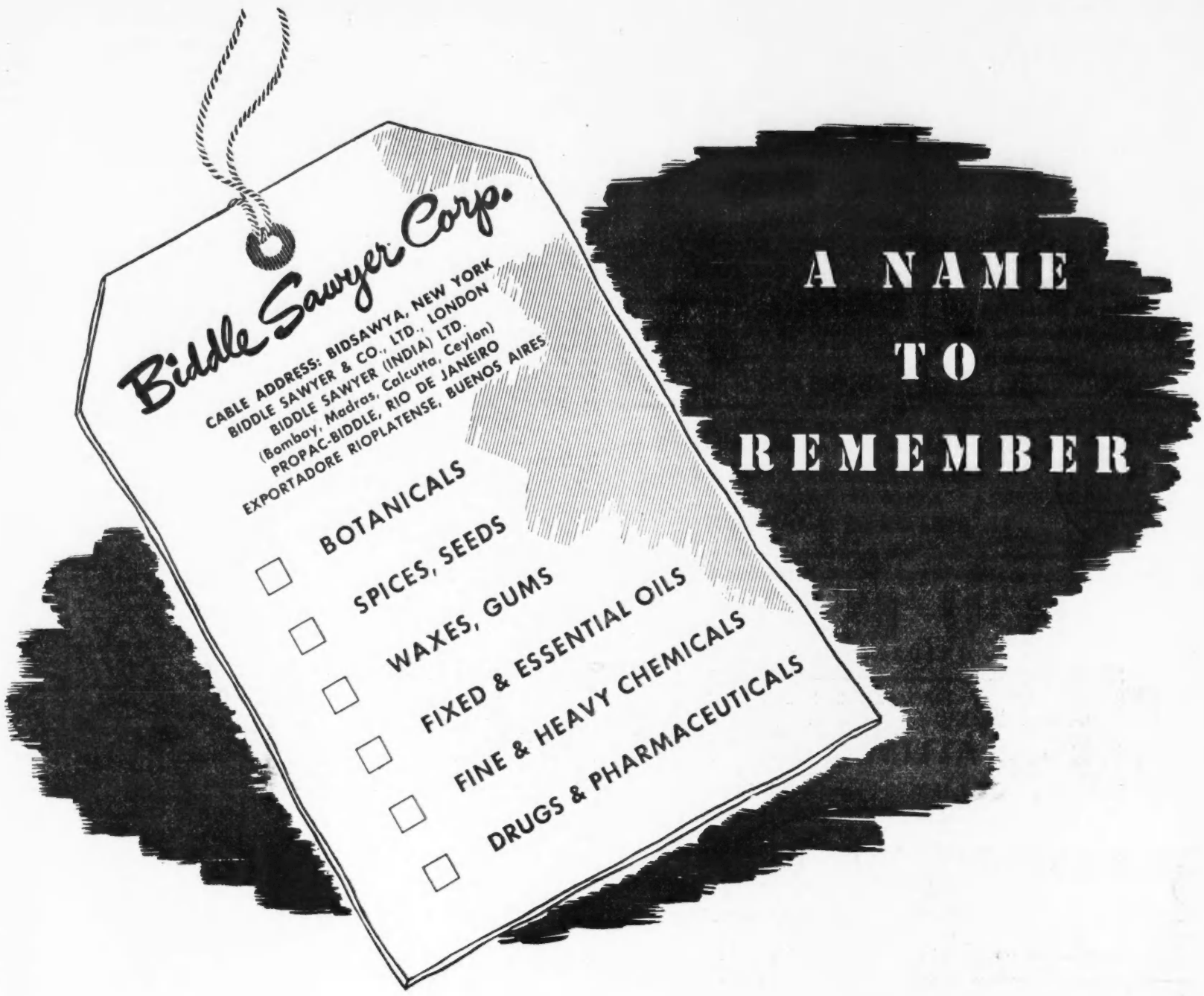
Blood—Indications did not point to a substantial collection this year but in at least one quarter at the origin stocks in hand were ahead of those so held a year ago.

Dandelion—Most dealers were content to permit their stocks of this item to run down now that the hot weather time of the year is approaching. The root does not keep well and there is danger of real loss if a large carryover exists during the Summer months.

Gentian—Most markets were relatively steady. On spot, no tendency to shade quotations was noted last week even though the consumer activity was distinctly conservative. A few fair sized sales confirmed the market as quoted.

Goldenseal—It is unfortunate that no way exists for the general consuming public at home and abroad to know the extent to which cultivation patches and enterprises will be continued now that export of the item has come virtually to a standstill. The market goes into the growing period at prices the lowest in a number of years.

Ipecac—Once more, prices resumed their downward trend and the basis of the not numerous transactions last week was $4.60 to $4.70 per pound for whole



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and $4.85 to $4.95 for powdered material. The spot movement was related to those at origins.

Pink—A good collection will be needed if actual consuming demand is to be met this year; the carryover is one of relatively insignificance and is not well distributed through the supplying trade.

Rhubarb—Plentiful stocks of good quality root existed but consumers with a disposition were more apparent than actual. Buyers' inventories covered their reasonably distant requirements.

Sarsaparilla—Sales at 35c. per pound indicated a more competitive and somewhat unsettled spot position for root of Mexican origin.

Senega—Stability in spot quotations has succeeded unsettled and declining prices and for the time being the undertone of the market appeared to have at least the 'tinge of growing firmness in sellers' views. Buyers have yet to resume regular and substantial approach to the market.

Seeds

Anise—Chinese star anise was fractionally higher at 15½c. to 16c. per pound. Mexican goods were non-existent in most normal sources of spot supply and agents of the shippers also lacked offerings in most instances.

Cardamom—Strength in the primary market has followed passive weakness with the result that spot quotations were boosted at a sharp angle to the following bases; Bleached, bold, $1.95 to $1.98 per pound; medium bold, $1.78 to $1.80; green, $1.30 to $1.33. Decorticated seed from what ever source was called nominal.

Coriander—Morocco seed was shaded to 6¾c. to 7¼c. per pound but the Argentine and Italian produce lacked quotable change.

Cumin—Buyers were believed to be well stocked with this merchandise and they showed almost total disinterest in sales proposals during the past week. Lack of sales failed further to change the prevailing structure of prices.

Dill—Dewhiskered material in future position was a fraction higher at 11½c. to 11¾c. per pound. Spot quotations stood at an identic level.

Gold of Pleasure—From a virtually nominal position as regarded price, the article appeared firmly in the lists last week on the basis of prices much higher than previously noted; they were 40c. to 41c. per pound.

Mustard—If the production this year in Montana shows a sharp drop from that of last year, it should not surprise buyers of the produce from that semi-arid state where foodstuffs have supplanted a considerable acreage formerly devoted to mustard cultivation. Furthermore, climatic conditions have not been of the best to this time.

Spices

Allspice—The market was under supplied to the point where some said the article was definitely scarce. Possible, that picturing of conditions applied more to the produce of Jamaica than it did to that of Mexico.

Cassia—Most quotations held with reasonable steadiness, save that extra select Chinese rolls sold at an advance to 9¾c. to 10¼c. per pound. Also, Yunnan spice was a shade lower at 14½c. to 15c.

Clove—Madagascars returned to the easier side of the market when futures were proposed at 8¼c. to 9c. and spot goods had difficulty in finding buyers at 9½c. to 10c.

Nutmegs—West Indians were shaded to 59½c. to 60c. per pound for spots and 58c. to 59c. for futures. East Indians followed the market down and ended last week at 58c. to 59c.

Peppers—Sellers of this article had a field-week since the last report. A week ago, sellers offered firmly at 48c. per pound but by the close of the period under review, they were reluctant sellers even as high as 56c. to 57c. for black pepper in whatever position—spot, nearby or distant futures. Whie peppers were advanced in sympathy and reached 69c. to 70c. per pound without the aid of much buying. Sales of black pepper were large.

Canada Relaxes Some Import Rules

The government of Canada has relaxed its embargo on the importation of samples of toilet goods to the extent that it will give consideration to requests for special import permits covering such items to be used by the importer as manufacturing samples or standards, provided the requests are for reasonable quantities.

Canadian authorities have also issued a new regulation on the importation of labels that permits them to be imported into that country provided they are used for labeling goods manufactured or distributed by the Canadian consignee when labels of the same design are used on the same goods by the consignor in the United States.

Further provisions of the new label import regulation are: that they are imported solely by the importer or his employees or agent; that no charge is made for the goods by the supplier; that the labels are necessary for the operation of the importer's business or other activity in which the consignor has an interest, and that they are imported in such small quantities that it would be impractical or excessively costly to procure the same or substantially similar goods from a domestic source of supply.

Trade Briefs

Benzoin gum exported from Hong Kong to the United States during the first two months of this year totaled 1,000 pounds, valued at $2,428.

Gum arabic and gum copal exported from Tanganyika Territory, Africa, during November, 1947, totaled eleven tons, valued at £610.

Kauri gum exported from New Zealand to the United States during the first seven months of 1947 was valued at £14,910, according to New Zealand customs statistics.

Dr. Blanck Awarded First Stephen M. Babcock Award

In recognition of outstanding contributions to the field of food technology which influence public health through more nutritious food, Dr. Frederick C. Blanck, administrative fellow of the H. J. Heinz

Dr. Frederick C. Blanck

Company fellowships at Mellon Institute, Pittsburgh, has been awarded the first Stephen M. Babcock Award of the Institute of Food Technologists.

Announcement of the award was made recently by Dr. G. J. Hucker, president of the institute, who stated that the Babcock Award was provided by a grant from the Nutrition Foundation, Inc. Presentation of the award, carrying with it a prize of $1,000, will be made to Dr. Blanck at the annual meeting of the Institute of Food Technologists in Philadelphia.

From 1927 to 1939, he was chemist in charge of the food research division of the Department of Agriculture's Bureau of Chemistry and Soils. In this capacity, he directed food research activities in Washington, D. C., and likewise supervised field laboratories in Florida, Texas, California, New York, North Carolina and Washington state.

Dr. Blanck joined H. J. Heinz Company in 1939, where he served as chief research chemist until his appointment as administrative fellow of the company's fellowships at Mellon Institute two years ago.

During World War II Dr. Blanck was called to Washington to become director of the subsistence research and packaging section of the Military Planning Division of the office of the Quartermaster General. In this capacity he directed the development of new Army rations and the improvement of packaging methods. A major part of the development work under his supervision was carried out in the Chicago laboratories of the subsistence research and development section of the Quartermaster's Department. As a result of this wartime work the present permanent laboratories of the Food and Container Institute of the Armed Forces were designed and in use before the end of hostilities.

Dr. Blanck is past president of the Institute of Food Technologists, past president of the Association of Official Agricultural Chemists, past chairman of the food and nutrition section of the American Public Health Association, past chairman of the agriculture and food division of the American Chemical Society and is a fellow of the American Public Health Association and of the American Association for the Advancement of Science.

C.P. McCormick Honored By Royal Society of Arts

Charles P. McCormick, president and chairman of the board of McCormick & Co., spice, tea and flavoring extract house, Baltimore, Md., has been elected a life fellow of the Royal Society of Arts, London. Mr. McCormick was awarded this distinction "in recognition of his international contributions to the advancement of human relations as applied to business and industry."

Bush & Co. Head Now in New York

Dr. C. C. Isherwood, president of W. J. Bush & Co., manufacturing chemist, New York, and chairman and managing director of W. J. Bush & Co., Ltd., London, has arrived in this country for a period of business consultations. Dr. Isherwood, who is chairman of the Association of British Chemical Manufacturers, can be currently reached at the company's office at 11 East Thirty-eighth street, New York 16.

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Protective Coatings Materials

Advances for lithol, orthonitroanilin and toluidin toners last week failed to budge the protective coatings price index from its previous level of 207.1. Although there were some minor declines in the market, notably for animal fatty acids and one grade of shellac, the majority of materials remained stable.

Of primary importance in pigments during the week were five-cent increases for lithol, orthonitroanilin and toluidin toners. Other dry colors remained firm. Also of interest in this section was the report of a shift in the supply position of organic toners. Stocks of lithol, para and toluidin toners, formerly extremely scarce, were said to be improving. At least one producer reported that orders in reasonable quantity were being handled subject to only a six-week delay in shipments. Most other dry colors were freely available on prompt shipment.

A maker of polyethylene resins announced a four-cent-per-pound reduction for one grade. At the same time, a producer of polyvinyl formal resins stated that these synthetic resins are now available in commercial quantities. Other materials in this section remained steady.

Despite listless trading, natural resins quotations in New York were unchanged. TN grade of shellac dropped one cent, although the market in general was quiet. A spokesman of at least one importer predicted a pinch in supplies of better grade orange lacs within the next month. Fillers and extenders were firm, as were lacquer materials.

Animal fatty acids dropped two to two-and-one-half cents per pound. Casein was quiet. Large shipments of Argentine casein continued to go to European nations, with a sale of 1,000 tons to Spain confirmed during the week. Interest in this country was sluggish.

Gum turpentine on the Savannah market settled down following the previous week's break. At the same time, there were reports that farmers were asking a new loan figure of forty-five cents for turpentine, nineteen-and-eight-tenth cents below the present figure.

Market Trends

Prices Advanced

Orange, orthonitroanilin toner, 5c. per lb.
Red, lithol toner, 5c. per lb.
Toluidin toner, 5c. per lb.

Prices Reduced

Animal fatty acids, 2c. to 2½c. per lb.
Shellac, TN, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
207.1	207.1	205.6	175.0

(For Current Prices see Page 9)

Prime Pigments

Black, Carbon—The Bureau of Mines reported production during 1947 at 1,318,965,000 pounds, a 6 percent rise over the 1,244,421,000 pounds during the preceding year. Total sales last year aggregated 1,319,760,000 pounds, compared to 1,259,740,000 pounds in 1946. Furnace black production was greater than that of contact black for the second consecutive year, 664,999,000 pounds as against 653,966,000 pounds of contact types. Comparative figures for 1946 are 625,312,000 and 619,109,000 pounds, respectively. A gain of 47,991,000 pounds in exports above the 1946 record to 319,076,000 pounds was the principal factor in increased total sales last year. Minor expansion of sales to rubber and ink manufacturers accompanied declines in sales to paint and miscellaneous industries. Producers' stocks of contact-type carbon black at the plants were 17,006,000 pounds on January 1, 1947, but dropped to 8,61?,000 pounds at the end of the year, the lowest inventory recorded since 1943. Producers' stocks of furnace blacks decreased from January through May, but increased through the remainder of the year, reaching 66,493,000 pounds on December 31, compared with 59,222,000 pounds on January 1, 1947.

Blue, Alkali—In good supply during the week, this pigment received moderate call. Prices were maintained.

Blue, Celestial—Available in any quantity, this material was in fair demand during the period under review. Quotations were on a par with previous listings.

Blue, Iron—Prices for Chinese, Milori and Prussian blues remained uniform at 45c. per pound during the past week. The supply situation was described as excellent, while demand ranged from fair to moderate.

Blue, Permanent—Although the molybdic material was still said to be in better supply than the tungstic grade, the latter type was reported to be improving its supply position. Inquiry was fair. Prices were stable.

Blue, Potash—No change in the price structure of this pigment was noted during the week, as supply and demand remained at former levels, the former good and the latter fair.

Blue, Victoria Toner—The tungstic grade, previously quite tight, was said to be improving its supply situation during the week. Molybdic Victoria toner was readily available. Buying interest was steady, though not intense. Prices held.

Blue, Violet Toner—The molybdic material was in good supply during the period under review. Tungstic-type violet toner, at the same time, was said to have shown some improvement in stocks. Demand was fair. The price structure was firm.

Green, Chrome—Prices of the CP material were firm, ranging from 34½c. per pound for the 6-10 percent material to 45¼c. for the 50 percent material. Stocks were good. Demand was unchanged.

Green, Malachite—The molybdic material was still in better supply than the tungstic grade, although stocks of the latter were said to be improving. Prices were constant. Buying interest was steady.

Orange, Chrome—This pigment stood at 29½c. per pound, unchanged from the listing of the previous week. Stocks were ample. Demand was moderate.

Orange, Dinitroanilin Toner—Producers continued listings at $1.15 per pound, despite a 5c.-per-pound rise for orthonitroanilin orange. Supply and demand were at levels of former weeks.

Orange, Orthonitroanilin Toner—A 5c.-per-pound advance was effected by producers on June 1, the material rising to $1 per pound. Supplies were unchanged, and demand was similarly without variance.

Red, Lithol Toner—Makers of this material last week upped quotations 5c. per pound, the new price uniformly listing at 80c. per pound. Lithol-rubin toner, however, was unchanged at $1.40 per pound. The shortage of rubin intermediate still kept stocks of lithol-rubin toner very short. However, some casement was noted in the supply situation of lithol toner. Producers were reported to require only six weeks to fulfill orders, and shipments were going out in reasonable quantities regularly. Demand was still strong.

Red, Para Toner—Despite increases for other organic reds, this material remained firm at 85c. to 88c. per pound last week. Supply-wise, the situation was said to be better, with producers able to handle orders on a six-week basis. Demand was still intense.

Red, Toluidin Toner—An increase of 5c. per pound, uniformly applied by producers last week, raised the price of this material to $1.35. The supply position of this organic toner was said to be much better than previously reported. Though hardly free, the situation was reported easy enough to permit makers to handle orders in any reasonable quantity on a six-week basis. Buying interest remained strong.

Yellow, Barium Chromate—Prices were firm last week, while supply and demand retained levels of previous weeks.

Yellow, Cadmium—No change in the price structure of this material was noted during the period under review. Supplies were good and demand was moderate.

Yellow, Chrome—Quotations on this material held firm at 29½c. per pound during the week. Supplies were abundant and demand was fair.

Yellow, Zinc—In good supply during the week, this material received moderate buying inquiry. Prices were constant.

Fillers and Extenders

Calcium Carbonate—Conditions were substantially without change in this section during the week.

Magnesium Silicate—Domestic production continued to lag seriously behind demand. Shipments were still said to be three to six months behind orders. Good quantities of the imported cosmetic grades of talc were available. Prices were firm.

Mica—Arrivals last week totaled 220 cases of mica from Le Havre and 500 bags of mica scrap from Lourenco Marques.

Vermiculite—Importations during the

For Late Market Developments, See Page 4

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week aggregated 182 tons of crude vermiculite from Lourenco Marques.

Synthetic Resins

Acrylic Resins—There was little of note to report in this section during the past month, as supply, demand and prices all continued at former levels.

Alkyd Resins—Reduced civilian interest gave a weaker tone to this market last month. Government requirements for these materials, however, were said to have increased recently. The supply situation, although hardly free in view of the continued shortage of phthalic anhydride, was nevertheless reported to be adequate to cope with present buying activity. The price structure was uniformly firm.

Chlorinated Rubber—Supplies of cyclocized chlorinated rubber were reported sufficiently available to meet current demand, despite the increasing applications for these pigmented dispersions. Progress has been most notable in the concrete floor enamel industry. Prices continued on a par with former levels during the period under review, while demand was regarded as excellent. At the same time, the steatite talc dispersion of cyclocized chlorinated rubber was said to have been dropped from the line of a maker of these special products, owing to the scarcity of the raw material for producing the base. Substitutes, recommended by that company, were said to be proving satisfactory.

Cumarone-Indene Resins—Under tremendous pressure of demand, particularly from the floor tile industry, these materials continued short during the past four-week period. Some darker-colored resins were said to be in reasonably good supply, but the lighter grades were uniformly tight. Most of the lighter-colored resins were available only on contract, but certain of these grades were obtainable on spot in very limited quantities. The trend to polystyrene resins in some cases continued during the month, despite the higher cost of these materials. Prices of cumarone-indenes held fast.

Hydrocarbon Resins—Because of heavy demand, deliveries of at least one maker of petroleum-type hydrocarbons were said to be subject to delay for most grades. Only one resin of this line was available in sufficient quantity to permit immediate shipment. Prices were stable.

Methylcellulose—Production was said to have outrun demand last month, easing supplies considerably. One maker said that carload orders were being accepted. Prices were without change.

Polyethylene Resins—A 4c.-per-pound reduction was effected during the month on one grade. Other resins of this type remained unchanged.

Polyvinyl Resins—A producer of polyvinyl formal resins announced that these materials are now available in commercial quantities. At the same time, a maker of polyvinyl elastomers said that the structure in that section had firmed up following a period of weakness. Supplies were said to be nearer demand than formerly.

Silicone Resins—Shipments of drum lots require thirty to sixty days, according to one supplier. Buying interest was strong last month, with the bulk of consumption accounted for by the electrical industry.

Sulphonamide Resins — Alkyl and/or aryl sulphonamide-formaldehyde condensates were reported available in commercial quantities for prompt shipment.

Terpene Resins—A maker of these materials early last month effected reductions of 2c. to 5¼c. per pound.

Natural Resins

With trading in New York continuing listless, unchanged conditions prevailed in this section last week. Prices were maintained, but since buying interest was extremely light, they were for all practical purposes nominal. Supplies were similarly without variance. There were no arrivals during the week.

Shellac—Although the TN grade of orange lac declined 1c. per pound during the week, the New York shellac market was quiet. The tone in Calcutta, which began strong early in the week, ended up steady. Stocks were reported to be thinly spread among importers, owing to the lack of recent quantity shipments. Buying interest was said to be slow, with most consumers subsisting on a hand-to-mouth basis. The spokesman of at least one supplier predicted a pinch in the better grades of orange lac within the next month. Bleached grades of shellac were quoted at 64½c. per pound, bags, for bonedry and 74½c. per pound, bags, for refined. Lemon No. 1 and lemon No. 2 were unchanged at 69c. to 70c. and 67c. to 68c., respectively, as was superfine at 64c. to 65c. However, the 1c. decline for TN brought it down to a range of 61c. to 62c. per pound. Importations last week aggregated 1,052 bags and 20 cases of shellac from Bangkok and Rotterdam.

Lacquer Materials

Under a new order, the United Kingdom has exempted oxalic acid, dicyclohexylphthalate, dicapryl phthalate and tricresyl phosphate from key industry duty for the period May 3 to August 19.

Dioctyl Phthalate—Following a recent 1c.-per-pound increase for this plasticizer, prices were steady last week. Supply was said to be reasonably adequate and demand was reported normal. Current market quotations are:—Drums, carload, freight allowed, 43.3c. per pound; less carlot, freight allowed, 44.3c. per pound, and tanks, freight allowed, 41.8c. per pound.

Pyroxylin Scrap—Following are current market prices:—Opaque, amber, cases, works, 17c. per pound; opaque, black, 14c.; opaque, gray, 14c.; opaque, mixed, mottled, 12c.; opaque, white, china, ivory, 17c.; opaque, white, china, dense, 17c.; translucent, pastels, 17c.; transparent, colorless, 19c.; transparent, colors, 17c.; shavings, opaque, amber, 15c.; shavings, opaque, mixed colors, 14c., and shavings, opaque, white, 17c. per pound.

Naval Stores

The records of the gum naval stores markets over the week ended June 4 were as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					c.l., f.o.b. N.Y. whse.	l.c.l., ex whse.
	Mon.	Tues.	Wed.	Thurs.*	Fri.	Friday	
B	$6.50	$6.50	$6.50	...	$6.50	$8.15	$8.90
D	6.90	6.90	6.90	...	6.90	8.25	9.00
E	6.90	6.90	6.90	...	6.90	8.25	9.00
F	7.31	7.31	7.31	...	7.31	8.25	9.00
G	7.46	7.40	7.40	...	7.40	8.55	9.30
H	7.46	7.40	7.40	...	7.40	8.55	9.30
I	7.46	7.40	7.40	...	7.40	8.55	9.30
K	7.46	7.40	7.40	...	7.40	8.55	9.30
M	7.46	7.40	7.40	...	7.40	8.55	9.30
N	7.46	7.40	7.40	...	7.40	8.55	9.30
WG	7.57	7.40	7.40	...	7.40	8.80	9.55
WW	7.57	7.57	7.57	...	7.57	8.70	9.45
X	7.57	7.57	7.57	...	7.57	8.70	9.45
	Drums						
Sales	...	200	...	...	...		
Receipts	61	663	179	...	2,719		
Shipm'ts	...	523	10	...	2,861		
Stocks	6,958	7,098	7,267	...	7,125		

Gum Turpentine

	Savannah Exchange (Bulk)					New York (ret. dms.) f.o.b. l.c.l. N.Y. ex whse. (7 lbs.) (7 lbs.).
	Mon.	Tues.	Wed.	Thurs.*	Fri.	Friday
Per gal.	.47	.47	.47½	...	.47½	.55 .68
Sales, bbls.	160	...	80	...	160	
Receipts, bbls.	654	353	541	...	770	
Shipments, bbls.	344	224	170	...	306	
Stocks, bbls.	5,635	5,824	6,195	...	6,599	

* No market.

Miscellaneous Materials

Animal Drying Oils—The price structure was unchanged during the past month.

Animal Fatty Acids—Reductions of 2c. to 2½c. per pound were effected by producers during the period under review.

Asbestos—The price structure of this material was unchanged. Longer-fibered grades were still in severely short supply during the week, and shorter-fibered asbestos continued in reasonably good availability. Demand was intense.

Casein—Both Argentine and New York casein markets were quiet during the week. Prices were firm, but business was extremely slow. One dealer in imported casein, quoting 27¾c. per pound, reported difficulty in arousing any interest, despite the fact that this price was low for the market. The decline in buying activity was attributed in part to the slump in the paper industry. Most users were said to be pursuing a hand-to-mouth policy in buying, limiting themselves to a two-months' stock as compared to previous stockpiles of four to six months. Meanwhile, shipments of Argentine casein continued heavy to European nations. Among orders consummated last week was a sale of 1,000 tons on behalf of the Spanish government. With buyer resistance continuing here, domestic production remained low. Competitive demands for milk solids were believed to be the major reason for the decline in output. Domestic prices were firm.

Glue—With interest from the paper box and leather industries off, producers of bone glues last week began to make up the gap between supply and demand. Hide glues remained very short, while buying interest for them was heavy. Prices for all grades were firm.

Gypsum—Arrivals last week aggregated 400 bags of gypsum from Liverpool.

Naphthenates—Stocks of these driers were somewhat narrow because of recent tightening in supplies of naphthenic acid. Buying interest, though not intense, con-

tinued steady. The price structure was without fluctuation.

Oleates—With conditions quiet in the red oil market during the week, makers of these materials pursued a watchful-waiting attitude. Prices held. Supplies were good. Demand was only fair.

Resinates—Unchanged conditions prevailed in this section last week. Business was moderate. Supplies were ample. Prices were stable.

Dandrow Heads MIT Alumni

C. G. Dandrow, vice-president of Johns-Manville Sales Corporation, and general sales manager of the company's industrial products division, has been elected president of the Massachusetts Institute of Technology Alumni Association.

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Iron Oxides Making In Germany Described

Processes for the production of synthetic iron oxides used by German manufacturers are discussed in a report now on sale by the Office of Technical Services. It discusses production at the Uerdingen plant of I. G. Farbenindustrie, the Franz Rasquin firm at Cologne, and the Kali Chemie at Berlin.

The report describes the manufacture of yellow oxides by aeration of scrap iron in the presence of copperas at the Uerdingen plant, and the preparation of synthetic oxides of iron as byproducts of the manufacture of anilin from nitrobenzene. The production of yellow and black oxides of iron made by these processes, and the manufacture of red oxides are also discussed. Some of the processes used for manufacturing oxides in six other German firms are also described.

Mimeographed copies of the sixty-four page report (PB-79308, "Inorganic Pigments, Synthetic Iron Oxides") sell for $2.25. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

NPVLA Offers 'Paint Power' Courses Folder

Recommending the immediate planning of "Paint Power" courses for fall, and stressing the urgency of lining up group leaders as far in advance as possible, Joseph F. Battley, president of the National Paint, Varnish and Lacquer Association, has announced the publication of a new folder. Geared to aid planning committees in informing potential enrollees of the advantages to be gained from modern sales training, the small folder, "More Paint Power for YOU," has been prepared in answer to the expressed need for such literature by several industry groups.

Copies for distribution to potential enrollees may be obtained from headquarters at $5 per hundred. Sample copies are available upon request to "PAINT POWER" at the National Paint, Varnish & Lacquer Association, Inc., Washington 5, D. C.

Pitts Glass Ditzler Color Division Promotes Two

The Ditzler Color Division of the Pittsburgh Plate Glass Company, Detroit, has appointed two veteran employees to the posts of assistant sales managers of the distributor sales department.

Neil W. Vogt, associated with the distributor department for eighteen years, and formerly manager of the distributor sales office, will handle new jobber business and export sales.

Rolland L. Smith, formerly assistant sales promotion manager, has been connected with distributor sales for fifteen years and in his new position will take charge of sales training and educational work.

Johns-Manville Starts Operation of New Plant

Johns-Manville Corporation has started production at the new plant of its rock wool division at Port Union, Ontario, Canada. They expect that the asbestos-cement pipe division at Port Union will be completed within a few weeks. Full operation of the new plant is expected to effect a substantial saving of Canada's American dollar supply, according to the company.

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Industrial Application of Chemicals

—Continued from page 7

protective and decorative coatings on woodwork.

Dimethyl Fumarate

Electrical—Base material (U.S. 2403215) in making compositions for insulating electrical conductors by polymerizing with vinyl chloride and adding a suitable plasticizer and an alkaline compound.

Paint, Varnish, and Lacquer—Starting point (U.S. 2403215) in making protective coating material (by copolymerizing with vinyl chloride and adding a suitable plasticizer and an alkaline compound.

Dimethyl Maleate

Chemical—Reactant in organic syntheses.

Resins—Starting point (U.S. 2281394) in making oxy-esters with the aid of methallyl or allyl alcohol, using metallic magnesium as a catalyst, these esters then being polymerized to form resins suitable for coatings.

Dimethylolurea Ethers

Photographic—Insolubilizing agent (Brit. 546786) for water-soluble synthetic linear polyamides (described in Brit. 487734 and U.S. 2191556) useful in photography.

Lithographic—Insolubilizing agent (Brit. 546786) for water-soluble synthetic linear polyamides (described in Brit. 487734 and U.S. 2191556) useful in lithography.

Paint, Varnish, and Lacquer—Insolubilizing agent (Brit. 546786) for water-soluble synthetic linear polyamides (described in Brit. 487734 and U.S. 2191556) useful in protective coatings.

Ethyl Acetate

(Additional uses, supplementary to that in the book, "Uses and Applications of Chemicals and Related Materials.")

Chemical—Starting point in making diethyl ketone, with the aid of secondary butyl-magnesium chloride; ethylbutyl ketone, with the aid of tertiary butyl-magnesium chloride; ethyl iodide, by heating with iodine in the presence of aluminum, magnesium, or iron; mesitol, mesityl acetate, and methyldi-2-mesityl carbinol acetate, all by prolonged heating with 2-mesityl-magnesium bromide; tetra-acetylsilicate, also other silicates and chlorides, with the aid of silicon tetrachloride.

Dye—Starting point in making 9:10-dimethylanthracene (readily oxidized to anthraquinone), with the aid of benzene in the presence of aluminum chloride.

Plastics—Polymerizing agent in making polyvinyl acetate from vinyl acetate (the solid polymer is obtained by steam-distilling the solvent).

Hexamethylene Di-isocyanate

Paint, Varnish, and Lacquer—Improver (Brit. 548807) of elasticity recovery in cellulose acetate films.

Insolubilizing agent (Brit. 548807) for cellulose acetate films (in acetone).

Isopropenyl Isocyanate

Resins — Copolymerizing agent (U.S. 2326287) for vinyl or acrylic resins (the resins resulting are claimed to be very reactive and capable of further modification).

Cyclohexyl Caprate

Insecticide and Fungicide—Repellent (U.S. 2302159) for insects (for use on the skin; may be used with alcohol, oil, or soap and water).

Cyclopentadiene, Polymerized

Paint, Varnish, and Lacquer—Base material (U.S. 2387626) of coating, containing also a wax and a sulphur-containing vulcanizing agent, claimed to be suitable for application to metal before forming into food and beverage cans, to be sufficiently flexible to withstand the usual forming operations, and not to be attacked by foods or beverages nor to impart flavor to them.

Dibutoxyethyl Phthalate

Adhesives—Plasticizer in adhesive compositions containing nitrocellulose or vinyl resins.

Ceramic—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer for nitrocellulose.

Cosmetic—Plasticizer in nail enamels and lacquers containing nitrocellulose as base material.

Electrical—Plasticizer in insulating compositions, containing nitrocellulose or vinyl resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as coatings for protecting and decorating glassware.

Leather—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as coatings for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose or vinyl resins.

Paper—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Plasticizer in making films from nitrocellulose.

Plastics—Plasticizer in making laminated-fiber or molded articles, and plastic materials from nitrocellulose or vinyl resins.

Resins—Plasticizer for resin-cellulose derivative compositions and solutions.

Stone—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing nitrocellulose or vinyl resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing nitrocellulose or vinyl resins, used as protective and decorative coatings on woodwork, or for many filling and repairing purposes on wood.

Tributyl Citrate

Ceramic—Plasticizer in compositions, containing resins and cellulose derivatives, used as coatings for protecting and decorating ceramic products.

Chemical—Plasticizer for cellulose derivatives.

Electrical—Plasticizer in insulating compositions, containing resins and cellulose derivatives, used for covering wire and in making and protecting electrical equipment and machinery.

Glass—Plasticizer in compositions, containing resins and cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather — Plasticizer in compositions, containing resins and cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions, containing resins and cellulose derivatives, used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer in coating compositions containing resins and cellulose derivatives, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives and resins.

Paper—Plasticizer in compositions, containing resins and cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles and plastic materials from or containing cellulose derivatives and resins.

Resins—Plasticizer for resins.

Rubber — Plasticizer in compositions, containing cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer in compositions, containing resins and cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Alkydol Labs. Issues Penta Resins Bulletin

Alkydol Laboratories, Inc., Cicero, Ill., has published a bulletin entitled "Alkydol Penta Resins", which describes three new hard resins being manufactured by the company. The three new resins, identified as numbers 103, 139 and 140, are being recommended by the company for use in the preparation of varnishes and enamels, printing inks, adhesive compositions and paper coatings.

The bulletin describes the resins and gives their chemical and physical properties, as well as detailing the advantages claimed for them in various applications. Copies may be obtained from the company at 3242 South Fiftieth avenue, Cicero 50, Ill.

Dow Assigns Chamberlain To Plastic Powder Sales

Dow Chemical Company, Midland, Mich., has transferred John C. Chamberlain from the production control section of its plastics sales division and has assigned him to its St. Louis office as a member of the plastics molding powders sales division. He has been assigned to the territory of Missouri, Kansas, Colorado, Oklahoma, Arkansas, Tennessee, Kentucky, southern Indiana and southern Illinois.

Socony-Vacuum Making New Gear Lubricants

Socony-Vacuum Oil Company, New York, is marketing a new line of gear lubricants which it claims are equally suitable for the lubrication of all automotive rear axles and manually-shifted transmissions and overdrives. Designated as "Mobilube GX-80, 90, and 140," the new lubricant is available in three grades, said to be identical in composition and performance properties and differing only in body or viscosity characteristics.

Arnesto Marketing New Flat Paints

Arnesto Paint Company, New York, has placed its new line of deep colors and toners flat paint on the market. Known as "The Magic 7," the line consists of seven colors which, the company claims, will enable the user to create practically every color desired.

Trade Briefs

Joachim Research Laboratories, Inc., paint and varnish research laboratory, New York, has moved to new quarters at 120 Liberty street.

E. I. du Pont de Nemours & Co. is marketing a new chemical product designed to bring out a high gloss from automobile lacquers with less rubbing than usual.

Rulane Gas Company, distributor of liquefied petroleum gases, is offering 15,000 shares of 5½ percent cumulative convertible preferred stock, $50 par value, at $50 per share.

Rubber consumption in the United States during April declined to 85,281 long tons, from 92,666 tons in March, according to a preliminary report from the Department of Commerce.

Tried FERRO'S new "A" VISCOSITY NAPHTHENATES yet?

Ferro's new *Cobalt*, *Manganese* and *Lead* Naphthenates—in standard solutions of 6%, 6% and 24% respectively—are proving a revelation in paint and varnish plants all over the country. Send for full details and samples.

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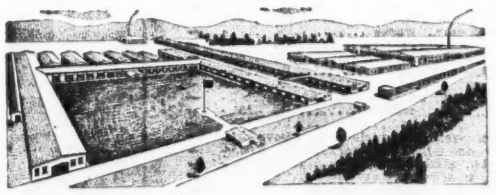
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DUREZ RESIN NEWS

DUREZ 570 RESIN

DUREZ 570 RESIN makes the finest spar varnishes and vehicles for exterior enamels that have been made with a phenolic resin. Clear and brilliant varnishes are produced without "trick" cooking. No xylol or dipentene is needed. Varnishes made with Durez 570 have a very high kauri reduction value, are exceptionally alkali- and weather-resistant.

ARCHITECTURAL FINISHES. Durez 570 is best suited by its physical properties for exterior finishes such as trim and trellis paints and porch paints. Its durability indicates its use as the sole component in superfine lines.

MARINE FINISHES. Used as 65% to 100% of the resin content of the vehicle, Durez 570 produces the finest marine paints ... deck, topside, and boot-topping. Used as the sole resin in marine spars, it yields the gleaming, long-lasting finishes demanded by racing and pleasure craft owners. The toughness and elasticity of Durez 570 spar varnishes have made them popular on class sailing craft. They have a definite retarding action on marine growth and polish to a mirrorlike smoothness.

ALKYD ENAMELS. The blending of varnishes from Durez 570 Resin with alkyd resins is proving highly satisfactory, although actual cooking of the resin with the alkyd during the processing of the latter is also feasible. Only 7% to 10% of Durez 570 on the solids of the average alkyd is needed to give the alkyd film outstanding brilliance, depth, and resistance.

SAMPLES. Let us send you samples and further product data on Durez 570 Resin. Durez Plastics & Chemicals, Inc., 36 Walck Road, North Tonawanda, New York.

PHYSICAL PROPERTIES OF DUREZ 570 RESIN
Melting Point . . . . . 140° to 150° F. (Capillary Method)
Acid Number 30
Color . . . . . X or paler
Refractive Index 1.596
Specific Gravity 1.046
Weight per gallon . . . 8.71 lb.

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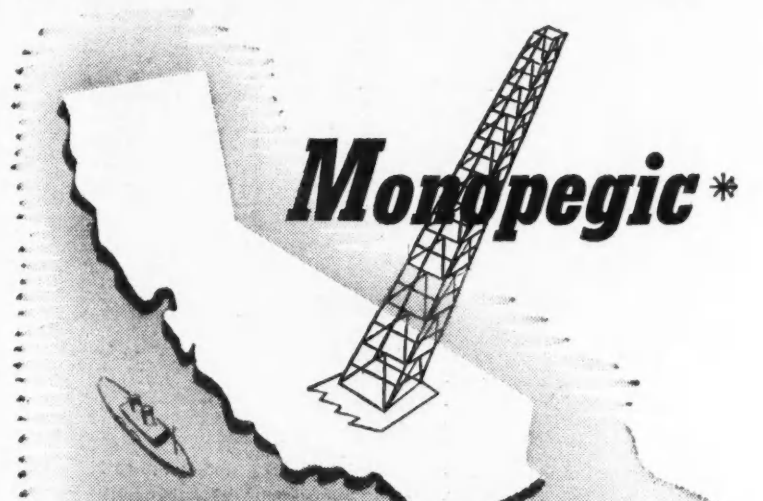
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Synthetic Resins

—Continued from page 37

SYNTEX H-12, 50% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
l.c.l., same basis.....lb. .28 - —
H-15, 50% solids, non-ret. dms., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .23½ - —
16, 60% solids, non-ret. dms., c.l., same basis..lb. .31¼ - —
l.c.l., same basis.....lb. .31¾ - —
18, 50% solids, non-ret. dms., c.l., same basis..lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
19-B, 50% solids, non-ret. dms., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .28½ - —
19-C, 45% solids, non-ret. dms., c.l., same basis..lb. .23¾ - —
l.c.l., same basis.....lb. .23¼ - —
23, 50% solids, non-ret. dms., c.l., same basis..lb. .26¼ - —
l.c.l., same basis.....lb. .26¾ - —
25-5D, 50% solids, non-ret. dms., c.l., same basis..lb. .22½ - —
l.c.l., same basis.....lb. .23 - —
28, 65% solids, non-ret. dms., c.l., same basis..lb. .31½ - —
l.c.l., same basis.....lb. .32 - —
32, 50% solids, non-ret. dms., c.l., same basis..lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
40, 70% solids, non-ret. dms., c.l., same basis..lb. .28½ - —
l.c.l., same basis.....lb. .29 - —
54, 50% solids, non-ret. dms., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .25½ - —
55, 50% solids, non-ret. dms., c.l., same basis..lb. .29 - —
l.c.l., same basis..... .....lb. .29½ - —
66, 70% solids, non-ret. dms., c.l., same basis..lb. .29 - —
l.c.l., same basis.....lb. .29½ - —
60-A, 70% solids, non-ret. dms., c.l., same basis..lb. .29½ - —
l.c.l., same basis.....lb. .30 - —
115, 45% solids, non-ret. dms., c.l., same basis..lb. .20½ - —
l.c.l., same basis.....lb. .21 - —
115-D, 45% solids, non-ret. dms., c.l., same basis..lb. .18½ - —
l.c.l., same basis.....lb. .19 - —
121, 50% solids, non-ret. dms., c.l., same basis..lb. .26¼ - —
l.c.l., same basis.....lb. .27 - —
128, 60% solids, non-ret. dms., c.l., same basis..lb. .17 - —
l.c.l., same basis.....lb. .17½ - —
1979, 50% solids, non-ret. dms., c.l., same basis..lb. .27½ - —
l.c.l., same basis.....lb. .27¾ - —

Freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Virginia, North and South Carolina, West Virginia, Ohio, Kentucky, Tennessee, Indiana, Illinois, Michigan, Wisconsin, Iowa, Missouri, and the cities of Minneapolis, St. Paul, and Duluth, Minnesota. For shipments to all other points in the United States add ¾c. per pound to the l.c.l. price; for carloads add ½c. per pound. For shipment in five-gallon pails, add 2c. per pound.

T

TEGLAC, 15, dms., c.l., frt. alld.....lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
127, c.l., frt. alld.....lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
128, c.l., frt. alld.....lb. .25 - —
l.c.l., same basis.....lb. .25½ - —
Z-152, c.l., frt. alld.....lb. .26½ - —
l.c.l., same basis.....lb. .27 - —
161, c.l., frt. alld.....lb. .25½ - —
l.c.l., same basis.....lb. .26 - —
164, c.l., frt. alld.....lb. .24½ - —
l.c.l., same basis.....lb. .25 - —

U

ULTRAFLEX resin, 28, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. .70 - —
l.c.l., same basis.....lb. .70½ - —
281, c.l., same basis.....lb. .70 - —
l.c.l., same basis.....lb. .70½ - —
85, c.l., same basis.....lb. .73 - —
l.c.l., same basis.....lb. .73½ - —
85T (70% in toluol), c.l., same basis, lb. .52½ - —
l.c.l., same basis.....lb. .53 - —
85T (85% in toluol), c.l., same basis, lb. .61 - —
l.c.l., same basis.....lb. .61½ - —
95, c.l., same basis.....lb. .65 - —
l.c.l., same basis.....lb. .65½ - —

V

VALITE 7796-D, bgs., c.l. (80,000 lbs. and over), f.o.b. Lockport, La., lb. .1640- —
20,000 lbs. to 79,999 lbs., same basis..lb. .17 - —
less than 20,000 lbs., same basis, lb. .18 - .20
8123, dms., c.l. (36,000 lbs. and over), same basis..lb. .12½ - —
9,000 to 35,999 lbs., same basis, lb. .13 - —
less than 9,000 lbs., same basis..lb. .14 - .18

These prices are based on alcohol solution of approximately 60% net resin content, but will be correspondingly adjusted for any variations therefrom.

VANADISET resins, grade B, 240-255° F. m.p., whse..lb. .028 - .052
C, 315-340° F. m.p., whse.....lb. .021 - .050
D, 170-180° F. m.p., whse.....lb. .030 - .055
MR, 260-270° F. m.p., whse...lb. .024 - .050
pulverized, whse.....lb. .085 - .150
solution, whse.....lb. .280 - .650
VELSICOL, resins, AB-11-2, dms., c.l., f.o.b. works..lb. .11¼ - —
l.c.l., dms., works.....lb. .11½ - —
AD 6-3, dms., c.l., works.....lb. .17 - —
l.c.l., dms., works.....lb. .17½ - —
Solutions, AB-200, dms., c.l., works, lb. .09⅞ - —
l.c.l., dms., works.....lb. .10⅜ - —
tankcars, works.....lb. .08½ - —
AB-201-S, dms., c.l., works.....lb. .10¾ - —
l.c.l., dms., works.....lb. .11¼ - —
tankcars, works.....lb. .09⅝ - —
AD-660, dms., c.l., works.....lb. .13¼ - —
l.c.l., dms., works.....lb. .13⅞ - —
tankcars, works.....lb. .11⅞ - —
AD-670, dms., c.l., works.....lb. .14¾ - —
l.c.l., dms., works.....lb. .15¼ - —
tankcars, works.....lb. .13⅜ - —
Cost of non-ret. dms. included in above prices.
VINSOL resin, c.l., f.o.b. works....lb. .05 - —
1,000 lbs., same basis.....lb. .06 - —
500 lbs. to 950 lbs., same basis..lb. .06½ - —
less than 500 lbs., same basis..lb. .09 - —
Vinyl acetate resin, AYAB, lumps (in fiber drums at option of seller): AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs)..lb. .40 - —
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb. .43 - —
200 to 1,999 lbs., same basis...lb. .45 - —
1 to 199 lbs., same basis.....lb. .60 - —
Vinyl acetate AYAC, solid, fiber drms., at option of seller, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va..lb. .43 - —
2,000-29,999 lbs., same basis....lb. .45 - —
200-1,999 lbs., same basis.....lb. .47 - —
1-199 lbs., same basis.....lb. .62 - —
Butyral resins, XYSG, XYHL, granular, paper bags.
30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l..lb. 1.00 - —
10,000 to 29,999 lbs., same basis..lb. 1.01 - —
200 to 9,999 lbs., same basis....lb. 1.02 - —
1 to 199 lbs. same basis.....lb. 1.18 - —
Chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYDR, VYNV, VYNY powdered, c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000 to 29,999 lbs., same basis lb. .34 - —
200 to 9,999 lbs., same basis....lb. .35 - —
1 to 199 lbs., same basis.....lb. .51 - —
VYNS, c.l. (30,000 lbs.), paper bgs., same basis..lb. .44 - —
10,000 to 29,999 lbs. same basis lb. .45 - —
200 to 9,999 lbs., same basis....lb. .46 - —
1 to 199 lbs., same basis.....lb. .62 - —
VYCM, powd., c.l. (30,000 lbs.), paper bgs., f.o.b. cars South Charleston, W. Va..lb. .38 - —
10,000-29,999 lbs., same basis....lb. .39 - —
200-9,999 lbs., same basis.....lb. .40 - —
1-199 lbs., same basis.....lb. .56 - —
VMCH, c.l. (30,000 lbs.), same basis, lb. .39 - —
10,000 to 29,999 lbs., same basis..lb. .40 - —
200 to 9,999 lbs., same basis....lb. .41 - —
1 to 199 lbs., same basis.....lb. .57 - —
VAGH, 200 to 9,999 lbs., same basis lb. .49 - —
1 to 999 lbs., same basis.....lb. .66 - —
VYCC Solution 40, supplied as 40% solution in butyl acetate, non-ret. dms., 1 55-gal dm. (450 lbs.), same basis..lb. .28 - —
1 to 52 gals. (approx. 8.5 to 442 lbs.), same basis..lb. .34 - —

Price of VYCC Solution 40 per lb. of solution per shipment against single order. Extra charge of 50c. for 1-gal. containers.

VINYLITE resin, AYAF, 35% by weight, solution in acetone, same basis.
A-35, drum lots, same basis....gal. 2.10 - —
less than drum lots, same basis.gal 2.50 - —
Modified vinyl acetate resin, 24.5% by weight, solution in toluene, same basis.
T-24-9, 20-dm. lots, same basis..gal. 2.00 - —
drum lots, same basis.....gal. 2.25 - —
less than drum lots, same basis.gal. 2.50 - —
Modified vinyl acetate resin, 28% by weight, solution in 82% methyl acetate, same basis.
MA-28-14, 20-dm. lots, same basis.gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less drum lots, same basis....gal. 2.65 - —
MA-28-18, 20-dm. lots, same basis.. gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less than drum lots, same basis. gal. 2.65 - —

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VINYLITE, AYAB, 69-72% by weight, solution in acetone, non-ret. dms., ex 5-gal. carboys, f.o.b. South Charleston, W. Va.		
A-70, drum lots, same basis....gal.	4.50	- -
less than drum lots, same basis.. gal.	5.00	- -
HYDROSOL W-125, 52-55% polyvinyl acetate resin dispersed in water, non-ret. dms. except 5-gal. clys., 2,800 gals. and up, freight pd. to destination E. of Miss. R..dry lb.	.373	- -
250 to 2,750 gals., same basis.... dry lb.	40	- -
50 to 200 gals., same basis.... dry lb.	41	- -
1 to 20 gals., same basis..dry lb.	.42	- .59

Billing is based on actual number of lbs of contained resin shipped. Extra charge of 50c. for 1-gal. containers. Prices for 50-gal. quantities and up apply only to shipments made in 50-gal drms.

Socony-Vacuum Building New Paint Plant in N.J.

The Socony Paint Products Division, Socony-Vacuum Oil Company, New York, has awarded a contract for the construction of a new paint plant in Raritan Township, N. J. Building operations will be started immediately and the plant is scheduled for completion within one year.

The new plant will include a three-story manufacturing building, a two-story varnish plant, a one-story raw materials and finished products warehouse, a three-story extension on the manufacturing building to accommodate laboratories, cafeteria and other facilities, and an office building. The latest types of paint and varnish manufacturing equipment will be installed in the buildings, and personnel of the division's Long Island City, N. Y., plant will operate the new facility.

NPVLA Increases List of Publications

The National Paint, Varnish and Lacquer Association has instituted the publication of a news letter for the dissemination of information of interest to the paint industry which is not ordinarily included in the organization's other publications. Included in the news letter will be progress reports of investigations which are under way, answers to inquiries which might be of general interest, notices of activities of which members should be aware, and other pertinent matters.

Zinc Dust Making Report Offered by Mines Bureau

German laboratory methods for producing electrolytic zinc dust are described in a publication recently released by the Bureau of Mines. The report, based on research at the Ludwigshafen laboratory of I. G. Farbenindustrie A. G. by the metallurgical division of the bureau, which is currently developing on a technical scale an electrolytic process for treating oxidized ores of zinc.

Included in the report are discussions of the electrolyte, anodes and cathodes, construction details of a commercial apparatus, and a comparison of the physical and chemical properties of electrolytic and smelter zinc dusts. A free copy of the report, Information Circular 7466, "Electrolytic Preparation of Zinc Dust," may be obtained by writing to the Bureau of Mines, publications distribution section, 4800 Forbes street, Pittsburgh 13, Pa.

Canada Puts Zinc, Lead Under Export License

Canada has issued an order placing shipments of lead and zinc under export license. It is said that an exporter who wants to ship to England, the United States, and other such countries will obtain a license as a matter of course, but if an exporter should want to ship to Russia or its satellites the license will be refused.

Hy-R-Speed Issues Brochure Describing New Paste Mixer

Hy-R-Speed, Inc., paint manufacturing equipment maker, Los Angeles, has published a brochure describing its new paste mixer. Featuring a "double egg-beater" action, the mixer is said to produce a reduction of from 25 to 50 percent in mixing time. Copies of the brochure may be obtained from the company at 1127 Riverside drive, Los Angeles 31, Calif.

Irvington Varnish & Insulator Appoints Stillwell Vice-President

Irvington Varnish & Insulator Company, Irvington, N. J., has appointed Willis J. Stillwell vice-president. Mr. Stillwell was formerly assistant to the president.

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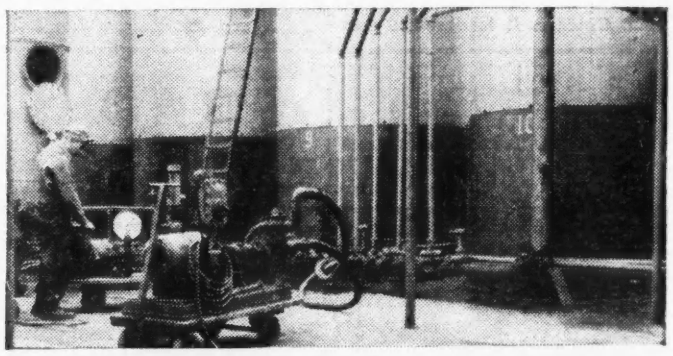

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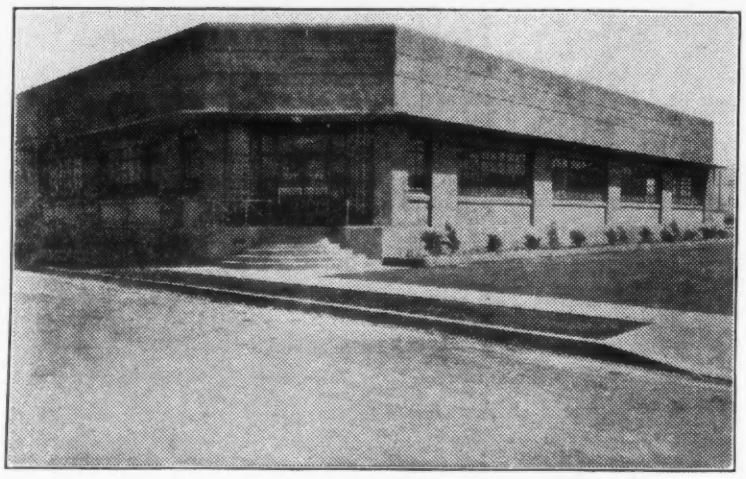

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Dicalite Names Two To New Sales Posts

The Dicalite Company, a division of the Great Lakes Carbon Corporation, has appointed J. E. Moran general sales manager and has named R. W. Blunt market analyst and assistant sales manager. Mr. Moran will also continue to function as the company's export manager.

Mr. Moran first joined the company in 1935 and was its district manager at Boston, Mass., until 1942, when he entered the armed forces. He returned to the organization in 1946 as export manager. Mr. Blunt was appointed manager of the Philadelphia district for the Dicalite Company in 1945, and held that position until last year, when he resigned to take charge of development and promotion of the calcium carbonate division of the Annville Stone Company, Philadelphia.

Hardcastle, Waud Forms Two Subsidiary Firms

Hardcastle, Waud & Co., Ltd., manufacturers' representative, Bombay, India, has converted its Ceylon, India, branch office into a separate firm, Hardcastle, Waud (Ceylon), Ltd., with offices at the same address, Hedges building, Colpetty, Colombo. The firm has also made arrangements with an American firm specializing in heat treatment chemicals and textile auxiliaries, to manufacture in India under its patent rights and conditions.

The parent concern has organized also Amar Minerals, Ltd., for the purpose of owning mines and exporting minerals found in India such as asbestos, barytes, burnt sienna, black manganese, bauxite, china clay, chalk, fire clay, ferric oxide, feldspar, and so forth.

N.E. Paint Club Outing And Election on Friday

The June outing and annual election of officers of the New England Paint Varnish and Lacquer Association will be held on Friday at the Kernwood Country Club, Salem, Mass. Dinner will be held at 7 p.m. and will be followed by the election an hour later.

Lithgow Offers New Coating

Easier application without primer, increased corrosion-resistance efficiency and durability are among the factors claimed for "LC-600," a new product of Lithgow Corporation, Chicago. It is designed for use in tanks, fermenters, carbonated beverage equipment, driers, pipe fittings, filter bodies, bottling equipment and other uses in pharmaceutical, food products, paper and pulp, breweries, and chemical industries.

Atlanta Paint Co. Names Sledge General Manager

The Atlanta Paint Company, Atlanta, Ga., subsidiary of Pratt & Lambert, Inc., Buffalo, N. Y., has appointed Frank P. Sledge treasurer and general manager. Mr. Sledge, who has been associated with the paint and allied industries for twenty years, succeeds the late Lyman R. Hunter as general manager of the company.

Winship Forms Own Company

The Winship Silica Products Company has been formed by William W. Winship, with offices in the First National Bank building, Freeport, Long Island, N. Y. Mr. Winship was formerly associated with the Thermal Syndicate, Ltd., New York.

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Oils, Fats and Waxes

Although trading in oils and fats was restricted last week, edible oils were stronger, owing to the scarcity of available stocks for prompt delivery. Prices of corn, cottonseed, peanut and soybean oils were advanced which raised the price index 5.4 points for the week to 235.6, compared with 195.8 a year ago.

Crude cottonseed oil was advanced 1 cent per pound for prompt shipment, due to scarcity of old crop oil. This was reflected in corn and peanut oils, which also were lifted 1 cent.

Further increases in the cost of soybeans and good demand strengthened this market and sales of crude were transacted at an advance of 2 cents per pound for prompt shipment and 1 cent for futures.

Linseed oil developed a firm tone under improved export demand, for oil allocated to Europe and bids failed to shade current quotations. Domestic demand continued slow. Consuming interest in tung oil was appreciably reduced and quotations could have been shaded on firm bids. Fish and dehydrated castor oils also were inactive.

Tallow and grease, which were firm most of the week, went up 2 cents per pound on Friday. The rise in the market was attributed to the action of large soapmakers who were compelled to raise bids in order to obtain moderate quantities of fancy tallow.

Carnauba wax continued inactive and prices were easier, declining about 1 cent per pound for stocks on the spot. Primary markets were also unsettled and entirely nominal owing to the lack of consuming interest in replacements.

Market Trends

Prices Advanced

Corn oil, 1c. per lb.
Cottonseed oil, 1c. per lb.
Grease, 2c. per lb.
Linseed meal, $1 per ton.
Peanut oil, 1c. per lb.
Soybean oil, 2c. per lb.
ref., alkali, 1½c. per lb.
clarified, 1½c. per lb.
Tallow, 2c. per lb.

Prices Reduced

Carnauba wax, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
235.6	230.2	223.2	195.8

(For Current Prices see Page 9)

Cottonseed Oil

Firmness continued to feature the bleachabale cottonseed oil futures market last week. Trend of prices was generally upward, notwithstanding profitaking which reduced the advance, but the market maintained moderate gains, especially in the prompt deliveries. The bulk of trading was centered in July and limited offerings were promptly taken by shorts and also new buying, while the trend of deferred positions was mixed, with narrow fluctuations. Stronger crude oil, lard and grains and the tightness of July delivery were the dominating factors in the futures market. Reports were current that bleachable cotton oil was sold in the South at 41c. per pound loose.

Crude cottonseed oil was sold at 37c. per pound, tankcars for June shipment, a net gain of 1c. per pound for the week. Offerings for prompt shipment were scanty. Some new crop oil was reported sold at 28c. per pound, tankcars, for late August and at 23c. for October in the Southeast, but mills were generally not offering new crop in volume.

Cotton weather and crop reports continued favorable throughout the belt, with crop conditions in the Rio Grande Valley receiving a great deal of attention.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended June 4 follow:—

	Sales	Cents per pound—High	Low	Close
July	101	36.50	34.60	35.75@36.00
September	77	29.20	27.60	27.90S
October	30	26.80	25.40	25.65@26.00
December	16	24.70	23.85	24.30@24.50
January	..	....	....	24.00N
March	..	....	....	24.00N
May	..	....	....	24.00N

Total sales—224 tankcars.

Crude oil was sold at 37c. per pound, tankcars, June shipment, and at 36c. for July.

Memphis.—Crude cottonseed oil was sold at 37c. per pound and soybean oil at 29c. per pound, tankcars, f.o.b. mills for prompt shipment. Cottonseed and soybean meals held at $85 pe rton, f.o.b. mills. Demand for soybean meal active with available stocks scarcer. Cottonseed hulls quoted at $21 per ton sacked, f.o.b. mills.

Linseed Oil

Although locally, demand for oil was slow, reports from the West indicated a brisk business for prompt shipment. The market, developed a firmer tone, reflecting the allocations of 6,200,000 pounds of linseed oil to France and Greece. Prices were steady for raw oil at 28c. per pound, tankcars, zone 3 June-July shipment and firm bids below this figure were reported turned down. August-December shipment was quoted at 27.8c., same basis. Withdrawals against former contracts were in better request, though the volume was reported well below that of this time last year. Dehydrated castor and fish oil were inactive and tung oil was dull and easy.

Purchase of 140,000 bushels of No. 1, U. S. flaxseed quality on the basis of $5.90 per bushel f.o.b. Guaymas, Mexico, with 15c. additional per bushel for quantity bagged was reported May 26, by the Department of Agriculture.

Minneapolis—Demand for linseed oil in the past fornight was quite brisk and all buyers joined in as crushers showed more reticence to release large supplies in the face of weather conditions. Oil price was advanced to 27.4c. in tanks, zone 1, for June-July shipments and a fair to good medium lot business was chalked up. Small lot business was especially brisk and mills reported a steady call for less than carlot supplies as painting operations expanded under the warm, dry weather. Larger buyers, also watching weather developments very closely, evinced more interest in forward oil and there were some fair sized round lots sold for the August-December period. Forward oil was discounted .2c. a pound under spot and quoted at 27.2c. in tanks, zone 1. Mill production was at high level and shipping orders continued brisk. Movement into consuming channels was unhampered by car troubles and consumers were taking supplies in good shape.

Shipments of linseed oil, in pounds, were as follows:—

	1947-48	1946-47
This week	6,300,000	3,840,000
Since Sept. 1	274,644,000	214,260,000

Los Angeles—Linseed oil prices were slightly raised. Supplies are adequate, inquiry fair. Raw oil was quoted at 26.9c. per pound, tankcars, f.o.b. Los Angeles, for prompt delivery.

Flaxseed—Market was steady. Inquiry was active, trading restricted by the scarcity of offerings.

Minneapolis—The cash flaxseed market held steady at $6.05 per bushel with crushers anxious to pay the full price for spot and to arrive offerings. The principal thing at the moment is to prop up sagging flax supplies with fresh purchases and while there was a little increase in country supplies during the last two weeks in May the current run to market is on the light side. Flaxseed stocks in Minneapolis public elevators totaled 1,888,464 bushels and it was estimated that double this amount was held in private storage or at country elevators. Farm held stocks of flax are still large, however, it was reported that farm movement was picking up with completion of spring work and drying out of roads. Flaxseed turned into a weather market at an early date this season and both buyers and sellers are quite weather conscious. Currently the situation could be called fair but moisture is needed at once in many areas to insure proper growth and development of the planted seed. In areas where subsoil moisture is good and in the southern section of the belt flax is making good progress but in other sections the situation is not particularly promising.

Shipments of flaxseed in bushels were as follows:—

Bushels—	Receipts— 1947-48	1946-47	Shipments— 1947-48	1946-47
This week	229,500	30,600	51,000	23,800
Since Sept. 1	21,737,400	10,770,000	3,876,600	4,605,800

Other Vegetable Oils

Castor, Dehydrated—Moderate quantities were reported moving for prompt requirements. Market was unchanged and fairly steady.

Coconut—Consuming inquiry was limited, with the market fairly steady. Crude oil was sold at 25½c. per pound, tankcars, f.o.b. Pacific coast, with sellers quoting 26½c. for June shipment, and July was sold at 25¾c., same basis. Copra was sold at $330 per short ton, c.i.f. Pacific coast. Some 224,000 pounds of copra was allocated to Costa Rica by the Department of Agriculture for an equivalent quantity from Costa Rica IEFC allocation (in terms of oil) from the Philippines for commercial procurement.

Corn—This market remained firm, though trading was quiet. Offerings continued scarce and crude oil was advanced to 35c. per pound, tankcars, f.o.b. mills. Refined oil also was in tight supply and quoted nominally at 39c. per pound, tankcars same basis.

Olive—Buying interest continued restricted to actual needs, both for replace-

For Late Market Developments, See Page 4

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ment and for supplies on the spot. Spanish oil was unchanged at $4.50 per gallon, drums, duty paid and Moroccan at $3.90 to $4. Arrivals totaled 1,000 drums of Moroccan oil at New York last week.

Oiticia—Demand was limited to small lots on the spot. Drums were quoted nominally at 22c. to 22½c. per pound, on spot, as to quantity. Inquiry for shipment was slight as recent quotations were out of line with competing drying oils.

Peanut—Business was light, but the market was firm with competing oils. Crude oil was sold at 35c. per pound, tankcars, for June shipment with sellers holding at 35c. in the Southeast and 34½c. in Texas. Refined was firm and nominal at 39½c. to 40c. per pound, tankcars, delivered East. Rains made it possible to complete planting and greatly benefited the growing crop in Georgia which is good and making about normal advancement, except in the North where dry conditions have prevented planting and limited growth.

Soybean—Higher cost of soybeans, stiffened the oil market and sales of crude were reported up to 28½c. per pound, tankcars, f.o.b. mills for June a net gain of 2c. for the week. July oil sold at 26½c. and at 27c. same basis, which was 1c. higher than a week ago. Refined oil was firmer and nominal at 32½c. per pound, tankcars, delivered East. At the request of the Belgian government, a previous allocation of 1,100,000 pounds of soybean oil to Belgium was cancelled and the same quantity of fatty acids was substituted for commercial procurement it was announced by the Department of Agriculture. Refined alkali and clarified soybean oil were increased 1½c. per pound. Tankcars were quoted 31.32c. and 29.82c. per pound, New York basis, respectively.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended June 4 follow:—

	Sales	Cents per pound High	Low	Close
July	..	....	....	31.00A
September	..	....	....	28.25A
October	..	....	....	25.25A
December	..	....	....	23.15A
January	..	....	....	23.15A
March	..	....	....	23.15A
May	..	....	....	23.15A

Sales—None.

Tung—With buying interest slow, this market became unsettled. Quotations were easy at 24¾c. per pound, tankcars, New York basis, with intimations that firm bids could have shaded quotations about ¼c. Oil in drums was nominal at 26c. per pound, carlots and lesser quantities commanded the usual differentials.

Los Angeles—Price of vegetable oils continued to advance. The market was tight, with the exception of tung, all supplies were short. Oils in tankcars were quoted as follows:—Castor, cold pressed, 26c. per pound f.o.b. this city; coconut, crude, 26c. per pound f.o.b. this city; cottonseed, crude, 35c. per pound f.o.b. Texas; peanut, crude, 34½c. per pound f.o.b. Texas; sesameseed, crude, 35c. per pound f.o.b. Los Angeles; soybean, crude, 29c. per pound f.o.b. Decatur; tung, 25c. per pound f.o.b. this city.

Fats and Greases

Grease—This market was firmer with the advance in tallow and prices of all grades were boosted 2c. per pound. Consuming inquiry was active.

Lard—Tone of this market was improved by the advance in grains and steadiness in competing vegetable oils. Prices were moderately higher. Lard stocks in Chicago were reported at 74,724,090 pounds, May 31, compared with 65,944,707 pounds, May 1 and 55,051,632 pounds, May 31, last year.

Tallow—Soapmakers were compelled to raise 2c. per pound, and purchased sizable quantities of fancy tallow at 15c. per pound. Export demand was active during the week, which gave the market a stronger trend and resulted in soapers advancing bids. Fancy was quoted at 15c. per pound, loose; extra, 14¾c., and special, 14½c., same basis.

Animal Oils

Degras — Business was spotty, chiefly for immediate requirements. Prices were unchanged.

Grease Oil—Hand-to-mouth buying was noted for all grades. Market was unchanged and steady with prevailing cost of pressing stock.

Oleo Oil—Limited quantities were held at former levels. Extra was quoted nominally at 28c. per pound, tierces.

Oleo Stearine — Trading was reported slow. Prices were more or less nominal at 26c. per pound, barrels.

Fish Oils

Cod — Trading was inactive, but limited supplies on the spot were well held at former levels.

Refined Fish Oils—Buying interest in refined menhaden and sardine oils continued slow. Quotations were unchanged and nominal for limited supplies.

Fatty Acids

A previous allocation of 1,100,000 pounds of soybean oil to Belgium was cancelled and the same quantity of fatty

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acids was substituted at the request of the Belgian government for commercial procurement by the Department of Agriculture.

Red Oil—This market was steady under good demand for domestic use and for shipment abroad. Quotations were unchanged and well held.

Stearic Acid—Increased inquiry and steady consuming demand kept this market in a firm position. Prices were maintained for all grades.

Cake and Meal

Cottonseed Meal—Prices held steady and although demand was quiet crushers were getting enough business to stabilize the market. Slab cake 41 percent was offered at $77 to $78, valley, loose, with sacked meal $5 higher. Southeastern mills are fairly well cleaned out and asking $83 to $84 per ton depending on location. A recent new crop offering of sacked 41 percent appeared at $75.50 f.o.b. Memphis for shipment September through December, coupled, but no buyers appeared interested.

Linseed Meal—Prices were firmer and increased $1 per ton. Trading was reported limited.

Minneapolis—Demand for meal failed to show any real improvement but crushers advanced prices a dollar a ton to establish a $67 base price for bulk meal f.o.b. Minneapolis. Crushers were asking a $1 premium for July forward.

Shipments of linseed meal, in pounds, were as follows:—

	1947-48	1946-47
This week	11,100,000	6,020,000
Since Sept. 1	53,640,000	28,232,000

Peanut Meal—Demand was quiet and several mills were still anxious sellers. Sacked 41 percent was offered at $73 per ton f.o.b. Alabama and Georgia mills with 45 percent $5 higher but only scattered cars were sold. Exporters are still inquiring but no actual trades have been consummated during the past week.

Soybean Meal—This market continued steady with most of the Southeastern and Valley mills sold out. Sacked 45 percent sold at $86 per ton f.o.b. North Carolina mills but it will take $87 to buy additional quantities. The Decatur market was firm at $78 to $79 bulk basis with sacked $5 per ton higher.

Waxes

Beeswax—Steady request was reported for moderate quantities on the spot. Market reflected the firmness of replacements. Quotations were unchanged and maintained for all grades.

Candelilla—Demand was confined to small lots for actual needs. Prices were unchanged and steady.

Carnauba—This market continued unsettled and was easier with lower prices for shipment and the lack of demand for all positions. Quotations for supplies on the spot were off about 1c. per pound. Chalky, No. 3, was quoted at 63c. to 65c. per pound for spot delivery; North country, No. 2, 71c. to 72c.; North country, No. 3, 66c. to 68c. and refined, 71c. to 72c.; yellow No. 1, $1.07 to $1.09 and No. 2, $1.05 to $1.06, according to quantity.

Ouricury—Despite the weakness in carnauba, this material remained comparatively steady. Demand was fair. Crude was quoted at 66c. to 67c. and refined, 70c. to 71c., on spot, depending upon quantity.

Chicago Perfumery, Drug Groups Form Golf Team

The Chicago Perfumery, Soap and Extract Association and the Chicago Drug and Chemical Association have again combined to form a golf auxiliary known as the Par-Busters. Future tournament dates will be July 13, August 19 and September 21. The Par-Busters also have been invited to the tri-city golf tournament at St. Louis, sponsored by the St. Louis Drug and Chemical Association, on June 28 and 29.

General Mills Names McClayton Sales Agent

General Mills, Inc., Minneapolis, Minn., has appointed W. R. McClayton sales representative for its chemical division for the state of Maryland and Washington, D. C. Mr. McClayton, whose headquarters are in Baltimore, will handle the company's line of vegetable, animal and marine fats and oils, as well as organic chemical derivatives for the technical trade.

Margarin, salad oil and sugar will be among the products rationed in Belgium until September, according to Aneta news agency.

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10—Single and Double Drum Dryers in all standard sizes.

3—Buffalo and Devine Vacuum Dryers; 5'x11' complete.

30—Direct Heat Dryers and Kilns, rotary type by Allis Chalmers, Bartlett-Snow, Ruggles-Coles, Traylor, Hess, Hersey, other makes; from 2'x15' to 7'6"x120' long; state requirements.

3—Rotary Vacuum Dryers by Stokes, and Buffalo Foundry; 2'x6', 5'x30', and 5'x33'.

2—Complete Spray Drying Installations; former use, eggs, soaps.

8—Truck and Tray Dryers; gas, electric or steam heated; production sizes.

6—Devine, Buffalo, Stokes Vacuum Shelf Dryers; from Lab. size to Double Door 58"x79"; some complete with accessories.

4—Lancaster Mixers; Stainless Steel; 10 H.P. motors.

3—Bartlett & Snow Stainless Vacuum Pan Dryers; 8'x3'.

50—Heavy Duty Horizontal Jacketed Mixers with double arms, sigma or naben; geared both ends, tilting; 100 gal. working.

10—Simpson Intensive and Lancaster Muller Type Mixers; from 18" dia. Bowl to 9'; some in stainless.

40—Double Ribbon Type Dry Mixers in carbon and stainless steel; from 200 lb. to 6,000 lb.

5—Readco Jacketed Double Ribbon Mixers; 240 gal.

18—Mixing Kettles in Iron, Steel, Copper, Stainless; all sizes.

Rubber and Plastic Extruders; Royle Nos. 1, and 3; National No. 2½; Allen 6" and 8" and others.

2—Bethlehem Parawax Molding Presses; 300—¼ lb. cakes.

1—Rotary Dryer in Nickel; good for Vacuum; jacketed; 3'x5'.

6—Copper Jacketed Vacuum Stills; some with coils from 150 gal. to 1,000 gal.; agitated if desired.

1—Lab. size Stainless Steel Fatty Acid Still with column.

4—Copper Distillation Columns; 36" dia. to 84".

1—Glass Lined Jktd. Vacuum Still; 3,000 gal.; sectional type; cone bottom.

4—Dopp 250 gal. Jacketed Kettles.

1—Struthers Wells 750 gal. Steel Jktd. and Agitated Pressure Vessel.

3—Stainless Steel 750 Gal. Jacketed Kettles; adaptable.

1—Readco Stainless Steel 142 gal. Double Arm Mixer; 20 H.P. motor.

Stokes "F" "R," Rotary B2, D, DD2, DDS2; Colton 3F, 4T, 5½, 10-35, 9-18; Knx No. 61, 65, 74 and others.

4—Pfaudler Glass Lined Vacuum Kettles; 500 gal.; 2,500 gal. Jktd. or Unjktd.; with agitators.

4—Sweetland Filters; Nos. 2, 7, 9 and 12.

1—Buffalo Stainless Extractor, single effect, 7'x 13'; 900 sq. ft.; forced circulation; ext. calandria type.

10—J. H. Day Re-Ball Sifters No. 82; two separations; screen size 40"x120" with 3 H.P. motors.

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3—Unused 11'6" x 18' OLIVER ROTARY CONTINUOUS VACUUM FILTERS.
1—RUBBER LINED STEEL STORAGE TANK, 11,000 gals., 10'6" dia. x 19' horiz., ⅜" plate. Manhattan R & M Co.
80—CENTRIFUGAL PUMPS, 350 GPM, 60' head and larger, up to 8,000 GPM.
3—VACUUM SHELF DRYERS; 1—42 x 42, 6 shelves; 2—38 x 43; 1—9 shelves and 1—5 shelves; with condensers.
125—JACKETED KETTLES, copper, aluminum, stainless steel, cast iron, enameled, 20 gal. to 1,200 gal.
13—Stainless Steel TANKS, 1,000, 900, 350, 300, 250, 175 gal.
42—Aluminum TANKS, 800, 700, 250 gallons
3—300 gal. GLASS-LINED, JACKETED, AGITATED KETTLES.
4—COLLAPSIBLE TUBE MACHINES; 1—Stokes No. 79-80 Filling, Closing, Clipping; 1—Colton No. 4 Auto. Closer & Clipper, M.D.
6—Copper Jack. VACUUM PANS from 50 to 1,000 gals.
1—Pfaudler 650 gal. Jack. Agit. VACUUM PAN.
1—No. 4-TH 24" MIKRO PULVERIZER, triple screw feed.
1—Badger 885 gal. all copper GIN STILL, complete wih condenser and pump.
2—World ROTARY LABELERS, bite type, M.D.
2—W. P. MIXERS, jacketed, 100-gal. sigma blades.
1—Colton No. 8 Can FILLER, ½ pt. to 1 qt.
1—Premier 5" Colloid Mill, 10 H.P. motor.
1—York 500 GPM HOMOGENIZER bronze fitted, with 15 H.P. A.C. motor.
1—Pneumatic Scale Tight Wrap Machine, M.D.
2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
1—Pneumatic Scale six head CAPPING MACHINE.
1—Devine No. 11 VACUUM SHELF DRYER, 17 shelves, 40" x 42".
1—Stokes No. 15 Auger POWDER FILLER, M.D.

FILTER PRESSES

3—36 x 36 Sperry Iron FILTER PRESSES each with 60 recessed plates, 1½" cakes center feed.
1—Shriver 30", ci., 19 plates.
8—Sperry 30" x 36" FILTER PRESS FRAMES or "Iron Skeletons."

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1—Kent, 16x40, motor driven.
2—Day, 12x32, motor driven.
2—Kent, 12'x30", motor driven.
3—20x48", belt driven.
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1—No. 12 SWEETLAND FILTER, 36 leaves on 4" c/c.

2—No. 5 SWEETLAND FILTERS, 29 bronze leaves, on 2" c/c.

DRYERS

3—Proctor & Schwartz, 3-apron DRYERS, 5-fan, steel frame. Dryer body 37' long, apron 66" wide. Each can be furnished with or without a set of 2-roll Cooling Rolls. Will furnish Re-erecting Diagram upon shipment.

1—Devine 5'x33' ROTARY VACUUM DRYER.
1—6' dia. x 50' long LOUISVILLE ROTARY STEAM TUBE DRYER, with two rows of 54 tubes, 3½" and 4", gear reducer drive.
1—6' x 22' Hersey ROTARY DRYER with heating coils.
1—B. & C. 36" x 81" Atmospheric DOUBLE DRUM DRYER, complete.
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2—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER, complete.
8—Direct heat ROTARY DRYERS, 4' x 28', 5' x 40', 6' x 50', 8' x 45', 8' x 55'.
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2—Buffovak 24" x 20" Rotary Vacuum single DRUM DRYERS, complete with surface condensers and vacuum pumps. Iron Drums, Copper-Lined Housing.

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20—Baker Perkins MIXERS, 100 gallons, jack., sigma blades, hydr. tilt, with stuffing boxes.
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4—40" AMERICAN TOOL Suspended type CENTRIFUGALS, steel perforated baskets, 2-speed, motor driven, with unloaders.
5—42" AMERICAN TOOL Suspended type CENTRIFUGALS, with STAINLESS STEEL BASKETS and CASINGS, 2-speed, motor driven, with unloaders.
5—Ingersoll Rand CENTRIFUGAL PUMPS, 4,000 G.P.M.; 150' head, direct conn. to 200 HP motors.
Approx. 25—Labour non-corrosive, self-priming CENTRIFUGAL PUMPS, made of stainless Steel, Durimet, etc. Various sizes.
13—25 HP FALK MOTO-REDUCERS, with motors and fans.
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3—8' x 10' OLIVER FILTERS, closed iron drums, wood staves, steel trough, oscillating agitator, etc.
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1—UNUSED TRIPLE EFFECT GOSLIN-BIRMINGHAM EVAPORATOR, long tube type, iron bodies, copper tubes, total h.s. 6,000 sq. ft. complete.
4—NEW 7' x 37'6", 10,000 gal. HORIZONTAL STEEL STORAGE TANKS, 60 lbs. pressure. Tank car mountings.
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1—NEW WESTINGHOUSE CAPACITOR, 3—120 kva. units, 3 60, 4 60.
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2—NEW AMERICAN WELL WORKS PUMPS, 8" x 8", 1,000 GPM at 45', complete with 25 H.P. motors.

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1—26" x 11" Ingersoll-Rand ES-1, with 60 H.P. motor, 1918 cfm.
2—Chicago Pneumatic, duplex, 36 x 36 x 13", each with direct connected 250 H.P. 3/60/440, 225 RPM, synchronous motor with exciter, starting equipment, etc., 6760 cfm capacity.
2—Ingersoll-Rand DRY VACUUM PUMPS, Imperial No. 10-B, belt driven, capacity 1048 cfm.

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2—4' x 5' triple deck, type No. 31, in battery, all enclosed, with generator set.
2—4' x 5', 1-deck, No. 33, all enclosed, in battery.
3—4' x 5', 1-deck, No. 37, single units.
1—Tyler 2KW 15 cycle generator for above screens.
2—3' x 5', 1-deck, No. 33, all enclosed in battery, with motor generator set.
1—3' x 10', 1-deck, No. 38, enclosed, with Thermionic power converter.
2—V-32 vibrators for 4' wide screens.

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1—Colton No. 5½ "T" single punch, V-belt to 5 HP AC motor, max. dia. 3¾".
1—Colton No. 4½ single punch, max. dia. 1½".
2—Stokes RD-1 Rotary 15 punch maximum 1" dia.
2—Stokes "R" single punch, maximum 2½" dia.
1—Stokes "F" single punch, maximum ¾" dia.
1—Stokes "X" single punch, maximum ½" dia.
3—Stokes RD-1 Rotary 15 punch, maximum 1" dia.
1—Stokes "DD" Rotary 23 punch, maximum ⅝" to 1 7/16".

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